


AN
ALMANACK
OR, A
DIARY

{ *Astronomical,*
Meteorological,
Astrological,  }

For the Year of our Lord, 1718.
It being the Second after Leap-Year.

Containing, the *Solar-Ingresses*, *Eclipses* of the *Luminaries*, *Rising* and *Setting* of the *Sun*: A *Table* of the *Sun's Declination*, fit for *Seamen*, or *Others*, with *divers Tables* of good Use. Calculated for the *Famous City of Dublin*, whose *Latitude* is *53 Degrees, 20 Minutes North*.

To which are Added, some *Surprizing Paradoxes*, *Arithmetical*, *Geometrical*, and *Philosophical Questions*, *Enigma's*, &c. With many *Delightful* and *Entertaining Particulars*, peculiarly Adapted for the Use and *Diversiſion* of both *Sexes*.

By *JOHN KNAPP*, a *Lover* of the *Mathematics*.

DUBLIN, Printed in *School-House-Lane*; for *G. Grierson*, at the *Two Bibles* in *Essex-Street*, and the rest of the *Book-Sellers*; 1718.

HAVING observed by some Letters I Received from several Parts of this Kingdom, that the Calculation of the Planets Places were of little use to most Persons, to whom this *Diary* came last Year, and that the *Paradoxes*, *Enigma's*, and *Arithmetical Questions*, &c. were more welcome to both Sexes: I have therefore altered my former Method in this, both to the Advantage and Satisfaction (I hope) of those into whose Hands this *Almanack* may come. I have Added several Things omitted in my last, and Composed New *Tables* for the *Sun* and *Moon*, founded on the Numbers of the Incomparable Sir *Isaac Newton*, laid down in his *Theory* of the *Moon*, by which I have Calculated the *Eclipses* and *Ingresses* for this present Year, that I might be as near the Truth as possible in my *Astronomical Computations*, being well satisfied, that most of the former Methods and *Tables* are very defective for want of *Observations*, sufficiently good to Correct their Numbers. Indeed Mr. *Street's Caroline Astronomy* is much more Correct and Concise, than any other yet Extant, especially for *Venus* and *Mercury*, but *Saturn* and *Jupiter* are short of Truth, insomuch that some time they differ half a degree from *Observations*. Tho', we must acknowledge the Industry of the Antients was very great, and the Improvement of latter Days very Considerable, yet was there One Thing still Reserved for the Glory of this Age, and Honour of the *English Nation*, which now it is discovered, prove to be (like other Contrivances of the *Supreme-Maker* and *Governour* of the Universe) Simple and Natural, Depending on the most known, and most common Property of Matter, namely *Gravity*.

From this the Modern Prince of *Geometery*.

* See *Elem. of Astron.* Vol. I. p. 1st. Preface. Sir *Isaac Newton* (as saith Dr. *Gregory* *) has Demonstrated the *Theories* of all the Bodies of the *Solar System*, of all the Primary *Planets*, and their *Satellites*, and among other the *Moon* which seemed most averse to Numbers. In a Word, the *Recession* of the *Equinoctial Points*, the *Tydes*, the unequal *Vibration* of *Pendulous Bodies* in different *Latitudes*, are no more a Question to those who understand his *Theory*. But to Conclude, the shortness of my Time, together with an unexpected tedious Sickniess, have hindred me from Making this

this Work so Copious as I design'd it, but I hope to make it (God willing) more Entertaining the next Year; then, I am your Servant,
JOHN KNAPP.

From the Sign of the *Dyal* and *Globe* in *Meard-street*, where you may have the best Sort of Clocks and Watches made, and Old ones mended. By *John Knapp*.

September the 10th, 1717.

Vulgar Notes and Moveable Feasts for 1718.

The	{	Golden Number	9	Shrove-Tuesday Feb.	25
		Circle of the Sun	19	Palm-Sunday April	6
		Dominical-Letter	E	Easter-Sunday April	13
		Epaact	9	Ascension-Day May	22
		Septuagesima Feb.	9	Whit-Sunday June	7
		Quinquagesima Feb.	23	Trinity-Sunday June	8

The Beginning, Ending, and Return of the Terms for 1718.

Hill. Term	{	Begins Jan. the 21	{	Returns	Octab. Hill. Janu. 20
		Sits Janua. the 23			Quind. Hill. Jan. 28
		Ends Febru. the 12			Craft. Purif. Febr. 4
Easter Term	{	Begins April 30	{	Returns	Octab. Purif. Febr. 11
		Sits May the 2			Quind. Pasch. Apr. 30
		Ends May the 26			Tres. Pasch. May 7
Trin. Term	{	Begins June the 13	{	Returns	Mens. Pasch. May 14
		Sits June the 16			Quind. Pasch. May 21
		Ends July the 2			Craft. Ascen. May 26
Mich. Term	{	Begins October 13	{	Returns	Craft. Trin. June 13
		Adjourns to Nov. 3			Octab. Trin. June 20
		Sits Novemb. the 6			Quind. Trin. June 27
		Ends Nov. the 28			Tres. Trin. July 4
					Quind. Mich. Octob. 13
					Tres. Mich. Octob. 21
					Mens. Mich. Octob. 28
					Craft. Anima. Nov. 3
					Craft. Mart. Nov. 1
					Octab. Mart. Nov. 18
					Quind. Mart. Nov. 25

The Regal TABLE from **EGBERT the last
Saxon, and first *English* KING, to this pre-
sent Year, 1718.**

Kings and Queens	Names.	Began to Reign	Years	Kings and Queens	Names.	Began to Reign	Years
Egbert		819	18	Henry 3		1216	1
Ethelwolf		837	20	Edward 1		1272	3
Ethelbald		857	3	Edward 2		1307	1
Ethelbert		860	6	Edward 3		1326	8
Etheldred 1		866.	6	Richard 2		1377	1
Alfred		872	29	Lancaster Line.			
Edward 1		901	24	Henry 4		1399	1
Athelston		924	16	Henry 5		1413	1
Edmond 1		940	6	Henry 6		1422	3
Eldred		946	9	York Line.			
Edwin		955	4	Edward 4		1460	2
Edgar		959	16	Edward 5		1483	1
Edward 2		975	4	Richard 3		1483	1
Etheldred 2		979	37	Families United.			
Edmond 2		1016	2	Henry 7		1485	2
Danish Line.				Henry 8		1509	2
Canutus 1		1017	20	Edward 6		1547	1
Harold 1		1037	4	Queen Mary		1553	1
Canutus 2		1040	2	Queen Elizabeth		1558	4
Edward Confessor		1042	24	Kingdoms United.			
Harold 2		1066	1	James 1		1602	1
Norman Line.				Charles 1		1625	2
William Conquer.		1067	20	Charles 2		1648	3
William Rufus		1087	13	James 2		1684	1
Henry 1		1100	35	Queen Mary 2		1689	1
Stephen		1135	19	William 3		1689	1
Saxon Line Restored.				Queen Ann		1702	1
Henry 2		1154	35	GEORGE, whom		1714	4
Richard 1		1189	10	God Grant long			
John		1199	17	to Reign.			

Whereas some that Write Bills, Bonds, and Leases, are often at a loss how therein to insert the Reign of the King. Note, that from the Day of their being Proclaimed, till that Day the Year following is the first Year, and so on, so the 1st of August this Year, King George will have Reigned 4 Years, and then will enter his Fifth.

January hath 31 Days. 1718.

M. Days	W. Days	Festival Days and change of Air.	D's Do- minion in Man.	☉'s Ris. & Set. H.M.H.	Sun's Decl. South.	Monthly Obser- vation.
a		Circumcisi.	neck	8 10 4	21 41	This Year begins
b		The Year begins	arms	8 9 4	30	with a Square of
c		with Cold Wet	Should.	8 8 4	20	h & q The
d		and uncertain	breast	8 7 4	9	last ended with
e		Epiphany.	stomac.	8 5 4	20 58	an opposition of
f			heart	8 4 4	46	p & q From
g		Weather,	back	8 2 4	34	which we may
a		and perhaps	bowels	8 1 4	22	expect to hear of
b		some Snow	belly	8 0 4	6	Actions of the
c		with Rain.	reins	7 59 5	19 56	worst sort on
d		☐ ☉ h	loyns	7 57 5	42	Foot, as Treache-
e		1 p. Epipha	secrets	7 56 5	28	ries, Thefts, Mur-
f		About	membe.	7 55 5	14	ders, evil Counsels,
g		this time	secrets	7 54 5	18 59	some Disaffected
a		somewhat	thighs	7 52 5	44	Person endeavour-
b		Warmer.	thighs	7 50 5	23	ing to blow up
c		Cloudy	knees	7 48 5	13	the Coals of Dis-
d			knees	7 46 5	17 57	cord, and again to
e		2. p. Epipha	knees	7 44 5	41	enlarge our Diffe-
f		with some	legs	7 42 5	29	rences. This will
g		Term begins	legs	7 30 5	7	end with a just
a		Rain dall	feet	7 38 5	16 50	punishment on
b		Weather.	feet	7 35 5	32	the Heads of the
c		More mode-	feet	7 33 5	13	Promoters, and
d		Con. S. Pau	head	7 31 5	15 55	'tis well if some
e		3. p. Epipha	head	7 29 5	37	of them are
f		rate to	neck	7 27 5	19	not made to
g		the end	neck	7 25 5	1	Peep through a
a		of the	arms	7 23 5	14 41	Hempen Casement
b		K.C.I. Mar.	arms	7 21 5	22	into another
c		Month.	breast	7 20 5	1	World.

Full Moon the 5th Day, 22 Min. past 7 at Night.

Last Quarter 12 Day, at Noon.

New Moon 20 Day, at Noon.

First Quarter 28 Day, 29 Min. Afternoon.

February hath 28 Days, 1718.

M. Days	W. Days	Festival Days and change of Air.	D's Dominion in Man.	☉'s Rul. & Sect. H.M.H.	Sun's Decl. South.	Monthly Observations
1	d	Moderate	breast	7 19 5	13 42	
2	e	4 p. Epipha.	heart	7 17 5	22	The various
3	f	Weather,	back	7 15 5	2	Aspects of the
4	g	some Rain	bowels	7 12 5	12 41	Last, and this
5	a	or fleet	belly	7 10 5	21	Month, give us
6	b	about this	reins	7 8 5	1	occasion of ex-
7	c	time.	loyns	7 6 5	11 38	pecting Actions
8	d	☐ X D.	loyns	7 4 5	18	of different kinds
9	e	Septuagesim.	secrets	7 0 5	10 55	The persons Con-
10	f	Turbulent	secrets	6 59 6	34	cerned in State
11	g	Windy,	thighs	6 57 6	13	affairs are settling
12	a	Term ends	thighs	6 54 6	9 50	things in order to
13	b	unsettled	knees	6 52 6	28	be ready for the Ap-
14	c	Valentine	knees	6 50 6	6	proaching Season.
15	d	now more	knees	6 48 6	8 45	Spain seems to be
16	e	Sexagesima.	legs	6 46 6	22	Concern'd more
17	f		legs	6 44 6		than was expected.
18	g	Moderate	feet	6 42 6	7 37	
19	a	for the	feet	6 40 6	14	Sun Eclipsed
20	b	Season,	feet	6 38 6	6 50	Invisible 19th
21	c	Wet and	head	6 36 6	27	Day
22	d	Cloudy.	face	6 34 6	04	
23	e	Quinquagesim.	neck	6 32 6	5 41	Some Endeav-
24	f	St. Matthias.	neck	6 30 6	18	our to hind-
25	g	Shrove Tues	throat	6 29 6	4 54	er our Trading
26	a	Ash Wednes	arms	6 27 6	31	at home by rail-
27	b	Wind and	arms	6 25 6	8	ing false Re-
28	c	Rain.	breast.	6 23 6	3 44	ports, but they may expect the same Fate they had the Last Year

Full Moon the 4th Day, 11 Min. past 5 in the Morning.
 Last Quarter the 11 Day, at 2 in the Morning.
 New Moon the 19th Day, at 7 in the Morning.
 First Quarter the 27 Day, near Noon.

March hath 31 Days, 1718.

Festivals, Days, and change of Air	D's Do- minion in Man.	☉'s Rit. & Sett. H.M.H.	Suns Decl. South.	Monthly Obser- vations.
<i>S. David Bish.</i>	breast	6 19 6	3 20	We have an
<i>Sund. Lent.</i>	heart	6 17 6	2 37	Eclipse of the ☉
<i>Warm</i>	back	6 15 6	33	in the 5th Day,
<i>Weather</i>	belly	6 13 6	5	
<i>for the Season.</i>	belly	6 11 6	1 46	Moon Eclipsed
<i>Now</i>	reins	6 8 6	22	Invisible 5th
<i>Some Rain,</i>	reins	6 6 6	0 59	Day.
<i>attended</i>	Loyns	6 3 6	35	(to Introduce
<i>Sund. Lent.</i>	secrets	6 0 6	11	the Suns In-
<i>with Wind,</i>	thighs	5 58 7	N 13	gress) at which
<i>the Weather,</i>	thighs	5 56 7	36	time there are
<i>now</i>	thighs	5 54 7	1 4	several friendly
<i>pleasant</i>	knees	5 52 7	20	Aspects. Its
<i>about this</i>	knees	5 50 7	47	hoped we may
<i>time.</i>	legs	5 48 7	2 11	expect ease in
<i>Sund. Lent.</i>	legs	5 46 7	34	our Home-Af-
<i>S. Patric. Bish.</i>	legs	5 44 7	58	fairs, free Trad-
<i>More</i>	feet	5 42 7	3 21	ing Abroad.
<i>mild till</i>	feet	5 40 7	44	Therefore let
<i>the New</i>	head	5 38 7	4 8	the Merchant
<i>Moon then</i>	head	5 36 7	31	Trade freely, the
<i>Showers.</i>	neck	5 34 7	54	Sun is Eclipsed
<i>Sund. Lent.</i>	and	5 32 7	5 17	Invisible 20th
<i>Fast</i>	throat	5 30 7	40	Day.
<i>Ann B. V. Ma.</i>	arms	5 28 7	6 3	Husband - man
<i>Wet,</i>	arms	5 26 7	25	Manure his Land
<i>breast</i>	breast	5 24 7	48	the Trades-man
<i>more mild</i>	breast	5 22 7	7 10	Exert himself, for
<i>to the</i>	heart	5 20 7	33	all things seem to
<i>Sund. Lent.</i>	back	5 18 7	55	be quiet in these
<i>End.</i>	belly	5 16 7	8 17	Kingdoms.

Full Moon 5th Day, half an Hour after 3 Morning.
 Last Quarter 12 Day, 26 Min. after 7 in the Morning.
 New Moon 20 Day, 32 Min. after 11 in the Morning.
 First Quarter 28 Day, 3 Quarters past 8 in the Morning.

April hath 30 Days: 1718.

M. Day	W. Day	Festival Days and change of Air.	p's Dominion in Man.	☉'s Rise & Set. H.M.H.	Sun's Decl. Nort.	Monthly Observations
1	a	This Month	belly	5 14 7 8	39	
2	b	begins with	reins	5 11 7 9	1	About this time
3	c	pleasant	loins	5 10 7	22	we may hear
4	d	weather,	secrets	5 8 7	44	many Consuls
5	e	but now	and	5 6 7 10	5	tions; perhaps
6	f	Palm Sund.	memb.	5 4 7	26	some Overtun
7	g	expect Hot-	thighs	5 2 7	47	for Peace, but
8	h	er, with	thighs	5 1 7 11	8	doubted it w
9	i	some showers	knees	5 0 7	24	not take effect
10	j	of Rain,	knees	4 58 8	44	a ☐ ☉ and ☿ an
11	k	Good-Friday	legs	4 56 8 12	10	☿ ☉ h, &c. For
12	l	with fresh	legs	4 55 8	30	Ill Aspects happ
13	m	Easter-Day.	legs	4 53 8	44	within 6 or 7 day
14	n	Breezes.	feet	4 52 8 13	4	will strangely a
15	o		feet	4 50 8	29	ter the face o
16	p	Fair and	head	4 48 8	48	Things. Spain an
17	q	pleasant.	and	4 46 8 14	7	Sweden may hav
18	r	for some	face	4 44 8	26	a share in th
19	s	time.	neck	4 42 8	44	matter.
20	t	1 p. Easter.	throat	4 40 8 15	2	Some Old Pe
21	u		arms	4 38 8	20	son of Note, m
22	v	Windy, with	should.	4 36 8	38	fall under Di
23	w	St. George.	breast	4 34 8	56	grace.
24	x	some	stomac.	4 32 8 16	13	
25	y	St. Mark Eva.	heart	4 30 8	30	
26	z	showers, &c.	and	4 28 8	47	
27	a	2 p. Easter.	back	4 26 8 17	3	
28	b	to the	bowels	4 24 8	20	
29	c	nd.	belly	4 22 8	36	
30	d	Term Begin.	reins	4 20 8	51	

Full Moon 4th Day, half an hour past 12 in the Morning.
 Last Quarter 11th Day, 26 Min. past 1 Afternoon.
 New Moon 19th Day, near 1 Afternoon.
 First Quarter 26th Day, 20 Min. past 1 Afternoon.

May hath 31 Days 1718

M. Days	W. Days	Festival Day, and change of Aire.	D's Do- minion in Man.	☉'s Ril, & Sett. H. M. H	Sun's. Decli. Nor.	Monthly Obser- vations.
1	a	Phil. & Jacob.	reins	4 18 8	18 6	
2	c	Moderately	secrets	4 16 8	21	Let it satisfie
3	b	Inv. the Cro.	memb.	4 14 8	36	us, that these
4	e	3 p. Easter.	thighs	4 12 8	50	Kingdoms are
5	f	good Weather	thighs	4 10 8	19 5	safe from the
6	g	for the Season,	knees	4 8 8	16	Insults of Fo-
7	a	with some	knees	4 6 8	32	reign powers :
8	b	Showers.	knees	4 4 8	45	while Italy, Spain,
9	c		legs	4 2 8	48	Germany, &c. are
10	d	Warmer.	legs	4 0 9	20 10	Labouring under
11	e	4 p. Easter.	feet	3 59 9	22	the continual Fa-
12	f	but Windy,	feet	3 57 9	34	tigues of Wars
13	g	pleasant Wea-	feet	3 55 9	45	But all our dif-
14	a	ther	head	3 53 9	56	ferences seem to
15	c	about this	face	3 52 9	21 7	be lay'd aside
16	e	time,	neck	3 50 9	17	and many that
17	b		throat	3 49 9	27	were disaffected
18	d	Roga. Sun.	arms	3 48 9	37	are now become
19	e	somewhat	and	3 47 9	46	good Subjects to
20	g	variable	should.	3 46 9	55	their Prince.
21	a	for the	breast.	3 45 9	22 3	
22	b	Ascen. Day.	stomac.	3 44 9	11	
23	c	most part.	heart	3 43 9	19	
24	d	The Month	back	3 42 9	26	
25	e	6 p. Easter.	bowels	3 41 9	33	
26	f	Term ends.	belly	3 41 9	40	
27	g	ends with	reins	3 41 9	46	
28	a	K. G. Born.	loyns	3 40 9	52	
29	b	K. C. Restor.	secrets	3 40 9	57	
30	c	good Wea-	memb.	3 40 9	23 2	
31	d	ther.	thighs	3 40 9	6	

Full Moon 2d Day, 45 Min Beforenoon.

Last Quarter 11 Day, at 7 in the Morning.

New Moon 19 Day, 28 Min. Afternoon.

First Quarter 25 Day; 50 Min. past 7 at Night.

June hath 30 Days, 1718

M. Days	Festival Days, and change of Air.	D's Dominion in Man.	☉'s Rise & Set. H. M. H.	Sun's Decl. Nor.	Monthly Observations.
1	Whit. Sund.	thighs	3 39 9	23 19	This Month
2	The Month	thighs	3 39 9	14	will in some sort
3	begins with	knees	3 39 9	17	perfect what
4	a windy and	knees	3 39 9	20	was begun the
5	b Showers, if	legs	3 38 9	23	last. News from
6	c not Thunder.	legs	3 38 9	25	Foreign parts of
7	d	legs	3 38 9	26	Sieges, Battles,
8	e Trin. Sund.	feet	3 38 9	28	Murders, vari-
9	f Warm Air,	feet	3 38 9	29	ous Actions of
10	g attended with.	head	3 38 9	23 29	different Kinds
11	a St. Barnabas.	and	3 38 9	29	Spain seems to
12	b Corp. Christi	face	3 38 9	29	have a share in
13	c Term begins	neck	3 38 9	28	these Actions.
14	d fresh Breezes	throat	3 38 9	28	Divers discon-
15	e p. Trinity.	arms	3 38 9	28	tented Persons
16	f of Wind, and	should.	3 38 9	23	foment disorders
17	g some Rain	breast	3 38 9	20	in, and about
18	a about this	stomac.	3 38 9	17	London: Promo-
19	b time.	heart	3 39 9	14	ters will come
20	c Fair Weather,	back	3 39 9	10	under Examina-
21	d	bowels	3 39 9	6	tion, and per-
22	e p. Trinity.	belly	3 39 9	2	haps pay for
23	f Fast.	reins	3 40 9	22 57	their follies. In
24	g S. John Bap.	loyns	3 40 9	52	short the Trans-
25	a Blustering	secrets	3 41 9	46	actions of this
26	b Weather with	secrets	3 41 9	40	Month are very
27	c Rain.	memb.	3 42 9	33	Strange; Some Per-
28	d Fast.	thighs	3 43 9	26	sons are guilty of
29	e St. Pet. Apo.	thighs	3 44 9	19	base Actions, even to
30	f	knees	3 45 9	11	the Ruin of them-
					selves, and Families

Full Moon 1st Day, 22 Min. past 11 at Night.
 Last Quarter 9 Day, 18 Min. past 11 at Night.
 New Moon 17 Day, a little after 9 in the Morning.
 First Quarter 24 Day, near 1 in the Morning.

July hath 31 Days 1718.

SAP	Festival Days, and change of Air.	v's Dominion in Man.	D's Rul. & Sett. H.M.H.	Sun's Decl. Nor.	Monthly Observations.
a	Breach Boy's	knees	3 47	9 22 31	Various Reports, both true and false, Under-hand Dealings, to the disadvantage of the Persons concerned: 'Tis well if they do not Merit Death by the war.
a	Good pleasant	legs	3 48	9 21 55	
b	Weather, but	legs	3 49	9 46	
c		legs	3 50	9 37	
d	Something	feet	3 51	9 28	
e	4 p. Trinity.	feet	3 52	9 18	
f		head	3 53	9 7	
g	Windy, some	and	3 54	9 20 57	
a	refreshing	face	3 56	9 46	
b	Showers.	neck	3 57	9 33	
c		throat	3 58	9 23	
d	Battle Augh.	arms	4 0	8 11	Some Debates about Religious matters on Foot. We may perhaps hear of some War-like actions towards the end of this Month.
e	5 p. Trinity.	should.	4 1	8 19 59	
f	Hot Weather	breast	4 2	8 46	
g	St. Swithin	stomac.	4 3	8 33	
a	if not Thun-	heart	4 4	8 20	
d	der,	back	4 5	8 6	
c		bowels	4 6	8 18 52	
d	some fresh	belly	4 8	8 38	
e	6 p. Trinity.	reins	4 10	8 23	
f	Showers,	and	4 12	8 8	
g		loyns	4 13	8 17 53	
a	now about.	secrets	4 15	8 37	
b	Expect	memb.	4 17	8 22	
c	Fast St. James	thighs	4 19	8 6	
d	St. Ann	thighs	4 20	8 16 49	
e	7 p. Trinity.	knees	4 22	8 33	
f	alteration.	knees	4 24	8 16	
g	Thunder, Show-	knees	4 26	8 15 59	
a	ers &c. to the	legs	4 28	8 42	
b	Months end.	legs	4 30	8 24	

Full Moon 11 Day, 20 Min. Afternoon.

Past Quarter 9 Day, 36 Min. past 1 Afternoon.

New Moon 16 Day, 34 Min. past 1 Afternoon.

First Quarter 23 Day, 34 Min. past 8 in the Morning.

Full Moon, 31 Day 10 Min. after 3 in the Morning.

August hath 31 Days, 1718:

M. Days	Festival Days, and change of Air.	D's Dominion in Man.	D's Disposition & Sett. A.M.H.	Sun's Decl. Nor.	Monthly Observations.	
1	Lammas Day.	feet	4 33	8 15	6	
2	& K. G. Pro.	feet	4 35	8 14	48	This Month will
3	8 p. Trinity.	feet	4 37	8	29	give us News of ma
4	pretty good	head	4 39	8	11	ny things done in
5	Harvest Wea-	face	4 41	8 13	52	the last. Of the dis
6	ther, and so	neck	4 43	8	33	ferent Actions both
7	continues	and	4 45	8	14	at Sea and Land: It
8	for some	throat	4 47	8 12	54	may be observed
9	Days,	arms	4 49	8	34	that the People of
10	9 p. Trinity.	should.	4 52	8	15	these Nations are
11	ill about	breast	4 55	8 11	55	two sorts, one seem
12	the 15th Day,	stomach	4 58	8	34	to have hope with
13	then expect	heart	5 0	7	24	out any Ground, the
14	some Rain,	back	5 2	7 10	53	other sort are alway
15	with warm	bowels	5 4	7	33	Grumbling without
16	showers.	belly	5 6	7	12	Sun Eclip. Invisi
17	10 p. Trinity.	reins	5 8	7 9	50	ble 14th Day
18	Now more	loyns	5 10	7	29	a cause. The cure
19	pleasant till	secrets	5 12	7	8	of this would at
20	K. G. Crown	memb.	5 14	7 8	46	once make us hap
21	about the	thighs	5 16	7	25	py, the best way to
22	latter end	thighs	5 18	7	2	amend this. (for ex
23	Fast.	knees	5 20	7 7	41	pect no perfect
24	St. Bartho.	knees	5 22	7	10	ure.) Let every
25	of the	knees	5 24	7 6	56	one be contented to
26	Month,	legs	5 26	7	34	Live Quietly under
27	then expect.	legs	5 28	7	11	the Government of
28	alteration	feet	5 30	7 5	49	one of the best of
29	Deco. John. B.	feet	5 32	7	16	Princes.
30	to the end.	feet	5 34	7	3	Moon Eclipsed
31	12 p. Trinity	head	5 35	7 4	40	p. Visible 29th

Last Quarter 8th Day, 35 Min. past 5 in the Afternoon.
 New Moon 15 Day 35 Min. 52 Sec. after Midnight.
 First Quarter 21 Day, half and Hour after 6 at Night.
 Full Moon 29 Day, 26 Min. after 7 at Night. (and Eclipsed)

September hath 30 Days, 1718:

M. Days	Festival Days, and change of Air.	D's Dominion in Man.	☉'s R ^t & Sett. H. M. H.	Sun's Decl. Nor.	Monthly Observations.
1	t Wind and Rain	head	5 37 74	17	
2	g begins the	neck	5 39 73	54	This Month
3	a Month,	and	5 41 7	31	affords us some
4	b but not	throat	5 43 7	7	Notable Exploit
5	c so long	arms	5 46 72	44	and that to the
6	d pleasant	should.	5 49 7	21	honour of Eng.
7	e 13 p. Trinity	breast	5 51 71	58	land, and its
8	f Nat. B.V. Ma	stomac.	5 54 7	34	Monarch.
9	g Weather,	heart	5 56 7	11	Good News
10	a Variable.	back	5 58 70	47	from Foreign
11	b	bowels	6 0 6	24	parts, such as
12	c	belly	6 2 6 S	1	
13	d	reins	6 4 6	23	Sun Eclip. Invi-
14	e 14 p. Trinity	loyns	6 6 6	46	sible 13th Day
15	f some Wet	secrets	6 8 61	10	
16	g Weather	memb.	6 10 6	33	will Encourage
17	a between	thighs	6 12 6	57	Merchandise &
18	b whites.	thighs	6 14 62	20	Trading in Ge-
19	c	thighs	6 16 6	43	neral. Some Re-
20	d Fast	knees	6 18 63	7	markable Acti-
21	e St. Matthew.	knees	6 20 6	36	on about this
22	f	legs	6 22 6	54	time, which may
23	g Cold Mornings	legs	6 24 64	17	prove Advanta-
24	a	legs	6 26 6	40	geous to those
25	b but pleasant	feet	6 27 65	3	in Alliance with
26	c for the time	feet	6 29 61	28	us.
27	d of the Year.	head	6 31 6	47	
28	e 16 p. Trinity.	and	6 33 66	11	
29	f St. Michael	face	6 34 61	34	
30	g	neck	6 36 6	58	

Last Quarter 6 Day, 26 Min. past 5 Afternoon.

New Moon 13 Day, a little after 8 in the Morning.

First Quarter 20 Day, at 8 in the Morning.

Full Moon 28 Day, a little before Noon.

October hath 31 Days: 1718.

M. Days	W. Days	Festival Days and change of Air.	D's Dominion in Man.	Mo's Sett H.M.H.	O's Rile South.	Sun's Decl.	Monthly Observations.	
1	a	This Month	neck	6	38	67	20	
2	b	begins warm	arms	6	40	6	43	Some small Ad
3	c	and fair, with	should.	6	42	68	5	on may happen
4	d		breast	6	44	6	28	about this time
5	e	17 p. Trinity	and	6	46	6	50	nearer home than
6	f	some small	stomac.	6	48	69	12	may be expected
7	g	Frosts in	heart	6	50	6	34	the Promoters of
8	a	the Mornings.	back	6	52	6	56	which may expect
9	b		bowels	6	54	610	18	to get a Recom
10	c		belly	6	56	6	39	pence.
11	d	About this	reins	6	58	611	0	Overtures for
12	e	18 p. Trinity	loins	7	0	5	22	Accommodating
13	f	Term Begin.	secrets	7	2	5	43	some Differences
14	g	time some	memb.	7	4	512	4	to the East, of
15	a	Rain, if	thighs	7	6	5	25	South-East, it's t
16	b	not Snow.	thighs	7	8	5	45	be hoped, there
17	c		knees	7	10	513	5	will be a goo
18	d	St. Luke Evan	knees	7	12	5	25	Conclusion.
19	e	19 p. Trinity	legs	7	14	5	46	
20	f	K.G. Crown	legs	7	16	514	5	
21	g		legs	7	18	5	25	
22	a	Wet.	feet	7	20	5	44	
23	b	Irisn Rebelli	feet	7	22	515	3	
24	c	windy, but	head	7	24	5	22	
25	d	pleasant	and	7	26	5	40	
26	e	20 p. Trinity	face	7	28	5	58	
27	f	for the Fast	neck	7	30	516	16	
28	g	Sim. & Jude	throat	7	33	5	34	
29	a	Season.	arms	7	35	5	52	
30	b	Prince of	and	7	37	517	8	
31	c	Wales Born.	should.	7	93	5	25	

Last Quarter 6th Day, 16 Min. after 2 in the Morning.
 New Moon 12th Day, 33 Min. past 5 in the Afternoon.
 First Quarter 20th Day, a little after 2 in the Morning.
 Full Moon 28th Day, at 6 in the Morning.

November hath 30 Days, 1718.

W. Days	Festival Days, and change of Air.	's Dominion in Man.	© S. K. R. O. N. S. & Sett. Decl. H. M. H. South.	Monthly Observations.
	All saints.	breast	7 41 5 17 42	This Month begins Calm. the Season moist. the Air Windy. the People Quiet, till the latter end of the Month: Then Controversies about Religious matters, and Breach of some former Contracts appear. Let all true Subjects Rejoyce in their Loyal & Rightful Prince.
e	21 p. Trinity	stomac.	7 44 5 57	
f	Wet Weather	heart	7 46 5 18 13	
g	begins the	back	7 48 5 30	
a	Gun Plot.	bowels	7 50 5 45	
b	Month	belly	7 52 5 19 0	
c	variable.	reins	7 54 5 13	
d		loyns	7 46 5 28	
e	22 p. Trinity	secrets	7 57 5 41	
f		memb.	7 59 5 56	
g	Now more	thighs	8 0 4 20 9	Let all true Subjects Rejoyce in their Loyal & Rightful Prince.
a	pleasant	thighs	8 2 4 21	
b	fore the time	knees	8 3 4 34	
c	of the Year.	knees	8 4 4 46	
d		knees	8 5 4 58	
e	23 p. Trinity	legs	8 6 4 21 8	
f	dropping	legs	8 7 4 19	
g	Windy,	feet	8 9 4 29	
a	with some	feet	8 11 4 39	
b	Rain, with	feet	8 13 4 49	
c	some dull	head	8 14 4 59	
d	Weather.	face	8 16 4 22 8	
e	24 p. Trinity	neck	8 16 4 16	
f	Good moderate	and	8 17 4 24	
g	Weather	thorac	8 17 4 32	
a	to the end	Arms	8 18 4 59	
b	Term Ends.	should.	8 18 4 45	
c	of the	breast	8 19 4 57	
d	Month	stomac.	8 19 4 57	
e	Advent Sund	heart	8 20 4 23 2	
	& S. Andrew.			

1st Quarter 4th Day, half an Hour after 10 in the Morning.
 New Moon 11 Day, 24 Min. past 5 in the Morning.
 1st Quarter 18 Day, 25 Min. past 9 at Night.
 Full Moon 26 Day, 17 Min. past 6 at Night.

December hath 31 Days, 1718.

M. Days	Festival Days and change of Air.	D's Do minion in Man,	D's Skill & Sett H.M.H.	Sun's Declin- South.	Monthly Obser- vations.
1	c Raw, Cold,	heart	8 20 4	23 7	
2	g	bowels	8 21 4	11	This Month
3	a with some	belly	8 21 4	15	begins with
4	b Rain and	reins	8 22 4	19	♂ of ♀ and
5	c	loyns	8 22 4	21	in Scorpio in
6	d Wind.	secters	8 23 4	24	opposition to
7	e Advent Sund.	and	8 23 4	26	Ireland's Ascend-
8	f Wet, Cold,	memb.	8 23 4	27	ant, this Perhaps
9	g and Slaby	thighs	8 23 4	28	may occasion
10	a with some	thighs	8 23 4	29	some Disorders
11	b Frost.	knees	8 23 4	23 29	and it may be
12	c	knees	8 33 4	29	first promote
13	d Dull Cloudy	legs	8 23 4	28	by some Person
14	e 2 p. Advent.	legs	8 23 4	26	of the Red
15	f with some	legs	8 23 4	24	Cloath, but let
16	g Frost,	feet	8 23 4	22	them Read
17	a	feet	8 23 4	19	Pet. Chap. 2. Ver
18	b More Wet	head	8 22 4	16	17. Yet we may
19	c Weather,	and	8 22 4	12	hope the best. An
20	d	face	8 21 4	8	from the * of
21	e 3 p. Advent.	neck	8 21 4	4	♂ and ♀, that
22	f & S. Thomas	throat	8 20 4	22 59	things may have
23	g Changable.	arms	8 20 4	53	a better face, &
24	a	should.	8 19 4	47	the Δ Aspect of
25	Christ Nativ	breast	8 18 4	41	the two For
26	b St. Stephen,	stomac.	8 17 4	34	tunes ♀ and
27	d St. John.	heart	8 16 4	26	gives a happy
28	e Innocents.	back	8 15 4	16	Conclusion to
29	f The Year	bowels	8 14 4	10	this Year.
30	g ends with	and	8 13 4	2	
31	a some Rain	belly	8 12 4	21 52	

Last Quarter 3 Day, 28 Min. past 8 at Night.

New Moon 10 Day, a quarter past 6 at Night.

First Quarter 18 Day, 38 Min. past 7 at Night.

Full Moon 26 Day, at 10 in the Morning.

TABLE shewing the true Value of Foreign
and English COIN, as reduc'd June 2, 1710.

No.	Ducats			Ducats at			Plate Cobs			Plate Cobs at			Peru Cobs.			
	at	6s.	00	05	10	2	at	4s.	9d.	4s.	7d.	2q.	11	4s.	6.	
	l.	s.	t.	s.	d.	q.	l.	s.	d.	l.	s.	d.	q.	l.	s.	d.
1	0	6	00	5	10	2	00	4	9	00	4	7	2	00	4	6
2	0	12	00	11	9		00	9	6	00	9	3		00	9	0
3	0	18	00	17	7	2	00	14	3	00	13	10	2	00	13	6
4	1	4	01	3	6		00	19	0	00	18	6		00	18	0
5	1	10	01	9	4	2	01	3	9	01	3	1	2	01	2	6
6	1	16	01	15	3		01	8	6	01	7	9		01	7	0
7	2	2	02	1	1	2	01	13	3	01	12	4	2	01	11	6
8	2	8	02	7	0		01	18	0	01	17	0		01	16	0
9	2	14	02	12	10	2	02	2	9	02	1	7	2	02	0	6
10	3	0	02	18	9		02	7	6	02	6	3		02	5	0
20	6	0	05	17	6		04	15	0	04	12	6		04	10	0
30	9	0	08	16	3		07	2	6	06	18	9		06	15	0
40	12	0	11	15	0		09	10	0	09	5	0		09	0	0
50	15	0	14	13	9		11	17	6	11	11	3		11	5	0
100	30	0	29	7	6		23	15	0	23	2	6		22	10	0

No.	Peru Cobs at				Cruisadoes		En. Crowns			Guineas		Lewisd ^r or		
	4s.	4d.	2q.	at	3s.	at	5s.	5d.	11l. 3s.	at	18s. 6d	at	18s. 6d	at
	l.	s.	d.	q.	l.	s.	l.	s.	d.	l.	s.	l.	s.	d.
100	4	4	2	00	3	00	5	5	1	3	00	18	6	
200	8	9	00	6	00	10	10	2	6	01	17	0		
300	13	1	2	00	9	00	16	3	3	9	02	15	6	
400	17	6	00	12	01	1	8	4	12	03	14	0		
501	1	10	2	00	15	01	7	1	5	15	04	12	6	
601	6	3	00	18	01	12	6	6	18	05	11	0		
701	10	7	2	01	1	01	17	11	8	1	06	9	6	
801	15	0	01	4	02	3	4	9	4	07	8	0		
901	19	4	2	01	7	02	8	9	10	7	08	6	6	
1002	3	9	01	10	02	14	2	11	10	09	5	0		
2004	7	6	03	0	05	8	4	23	0	18	10	0		
3006	11	3	04	10	08	2	6	34	1	07	15	0		
4008	15	0	06	0	10	16	8	46	0	37	0	0		
5010	18	9	07	10	13	10	10	57	10	46	5	0		
10021	17	6	15	0	27	1	8	115	0	92	10	0		

B

A Tabl

A Table of Interest

Value Lent	At 8 Pounds per Cent.						At 10 Pounds per Cent.								
	1 Mon.		3 Mon.		6 Mon.		1 Mon.		3 Mon.		6 Mon.				
Shillings:	s.	d.	q.	s.	d.	q.	s.	d.	q.	s.	d.	q.			
5	0	0	10	0	1	0	2	1	0	00	20	1	20	3	
10	0	0	30	0	2	10	4	3	0	1	00	3	00	6	
15	0	1	00	0	3	20	7	0	0	1	20	4	20	0	
1	0	1	30	0	4	30	9	2	0	2	00	6	01	0	
2	0	3	00	0	9	21	7	0	0	4	01	0	02	0	
3	0	4	31	0	2	12	4	3	0	6	01	6	03	0	
4	0	6	11	0	7	03	8	1	0	8	02	0	04	0	
5	0	8	22	0	0	04	0	0	0	10	02	6	05	0	
6	0	9	22	0	4	34	9	2	1	0	03	0	06	0	
7	0	11	02	0	9	25	7	0	1	2	03	6	07	0	
8	1	0	33	0	2	16	4	3	1	4	04	0	08	0	
9	1	2	13	0	7	37	2	0	1	6	04	6	09	0	
<hr/>															
Tens of Pounds.	l.	s.	d.	l.	s.	d.	l.	s.	d.	l.	s.	d.	l.	s.	d.
10	0	1	40	0	4	00	8	0	0	1	80	5	00	10	0
20	0	2	80	0	8	00	16	0	0	3	40	10	01	0	0
30	0	4	00	0	12	01	4	0	0	5	00	15	01	10	0
40	0	5	40	0	16	01	12	0	0	6	81	0	02	0	0
50	0	6	81	0	0	02	0	0	0	8	41	5	02	10	0
60	0	8	01	0	4	02	8	0	0	10	01	10	03	0	0
70	0	9	41	0	8	02	16	0	0	11	81	15	03	10	0
80	0	10	81	0	12	03	4	0	0	13	42	0	04	0	0
90	0	12	01	0	16	03	12	0	0	15	02	5	04	10	0
100	0	13	42	0	0	04	0	0	0	16	82	10	05	0	0

This Table is fitted to 8 and 10 per Cent, and by the double Line in the middle, divided it into 2 Parts; the three Columns towards the Right Hand, for 10l. per Cent. and the 3 next for 8 per Cent. and the other 2 towards the Left Hand, common to both; and by doubling or adding together the Interest here given it will give the Interest of any other Sum or Time

Example, Suppose I was to find the Interest of any Sum for 9 Months, I add the Interest of 3 Months and 6 Months together, and it gives my desire; and so doubling the Interest of 6 Months, it gives the Interest of 12 Months, &c.

Table which by knowing the Price of the Pound readily shews the Price of the Hundred Weight; or which by knowing the Price of the Hundred Weight; shews the Price of the Pound according to 112 l. to the Hundred.

	s.	d.	d.	q.	l.	s.	d.	d.	q.	l.	s.	d.
1	2	4	8	1	3	17	0	10	17	11	8	
2	4	8	8	2	3	19	4	16	27	14		
3	7	0	8	3	4	1	8	16	37	16	4	
4	9	4	9	0	4	4	0	17	07	18	8	
5	11	8	9	1	4	6	4	17	18	1	0	
6	14	0	9	2	4	8	8	17	28	3	4	
7	16	4	9	3	4	11	0	17	38	5	8	
8	18	8	10	0	4	13	4	18	08	8	0	
9	1	0	10	1	4	15	8	18	18	10	4	
10	3	4	10	2	4	18	0	18	28	12	8	
11	5	8	10	3	5	0	4	18	38	15	0	
12	8	0	11	0	5	2	8	10	08	17	4	
13	10	4	11	1	5	5	0	19	18	19	8	
14	12	8	11	2	5	7	4	19	29	2	0	
15	15	0	11	3	5	9	8	19	39	4	4	
16	17	4	12	0	5	12	0	20	09	6	8	
17	19	8	12	1	5	14	4	20	19	9	0	
18	2	0	12	2	5	16	8	20	29	11	4	
19	4	4	12	3	5	19	0	20	39	13	8	
20	6	8	13	0	6	1	4	21	09	16	0	
21	9	0	13	1	6	3	8	21	19	18	4	
22	11	4	13	2	6	6	0	21	2	10	0	8
23	13	8	13	3	6	8	4	21	3	10	3	0
24	16	0	14	0	6	10	8	22	0	10	5	4
25	18	4	14	1	6	13	0	22	1	10	7	8
26	0	8	14	2	6	15	4	22	2	10	10	0
27	3	0	14	3	6	17	8	22	3	10	12	4
28	5	4	15	0	7	0	0	22	0	10	14	8
29	7	8	15	1	7	2	4	23	1	10	17	0
30	10	0	15	2	7	4	8	23	2	10	19	4
31	12	4	15	3	7	7	0	23	3	11	1	8
32	14	8	16	0	7	9	4	24	0	11	4	0

In the Use of this Table, Observe, That it Contains in all six Columns, viz. three lesser, and three greater: And that the Figures in each of the lesser Columns are the Price of the Pound in Pence and Farthings, and the Figures in the greater Columns, the Price of the Hundred in Pounds, Shillings and Pence. Example, suppose one Pound of any thing Cost three Pence half penny, in the first little column towards the left Hand, I find 3d. 2q. and right against it, in the adjoining great Column, 1l. 12s. 8d. to be the price of the Hundred Weight, at three pence half penny the Pound.

A Table shewing the time of full Sea, or High Water, for every Day of the Moons Age. in the following Places

Under the Days of the Moons Age in the other Column, is the Time of high Water in the said Places, As,		Galway, Dingle, Baltimore, Broad-Haven, Limerick, Mouse-Hole, Flambrough.		King'sale, Cork, Tougab, Lions Dungarvan, Falmouth, Milford.		Waterford, Londonderry, London, Bristol, Hull, Weymouth, Malow.		At the Lizard, Cape-Clear, Texel, Milford Haven, Florida.		Wexford, Plimouth-Road, Dunbar, Orkney, St. Helens, Tarmouth.		Bar of Dublin, Arklo, Wicklo, Drogheda, Dundalk, Holly-Head, Down, Orfordness.		Carlingford, Strangford, Carrigfergus, Cowi, Harwich, Dover, Southforeland.	
Days of Age	h m.	h m.	h m.	h m.	h m.	h m.	h m.	h m.	h m.	h m.	h m.	h m.	h m.	h m.	h m.
1	16 5	18 5	3 6	48 8	18 9	0	11	18 5	1	16 5	18 5	3 6	48 8	18 9	0
2	17 6	6 5	51 8	36 9	6 9	48 0	11	17 6	6 5	51 8	36 9	6 9	48 0	11	17 6
3	18 6	54 7	39 9	24 9	54 10	36 0	11	18 6	54 7	39 9	24 9	54 10	36 0	11	18 6
4	19 7	42 8	27 10	12 10	42 11	24 0	11	19 7	42 8	27 10	12 10	42 11	24 0	11	19 7
5	20 8	30 9	15 10	0 11	30 12	2 0	11	20 8	30 9	15 10	0 11	30 12	2 0	11	20 8
6	21 9	18 10	3 10	48 0	18 1	0 3	11	21 9	18 10	3 10	48 0	18 1	0 3	11	21 9
7	22 10	6 10	51 11	36 1	6 1	48 4	11	22 10	6 10	51 11	36 1	6 1	48 4	11	22 10
8	23 10	54 11	39 0	24 1	54 2	36 4	11	23 10	54 11	39 0	24 1	54 2	36 4	11	23 10
9	24 11	42 0	27 1	12 2	42 3	24 5	11	24 11	42 0	27 1	12 2	42 3	24 5	11	24 11
10	25 0	30 1	15 2	0 3	30 4	12 6	11	25 0	30 1	15 2	0 3	30 4	12 6	11	25 0
11	26 1	18 2	3 2	48 4	18 5	0 7	11	26 1	18 2	3 2	48 4	18 5	0 7	11	26 1
12	27 2	6 2	51 3	36 5	6 5	48 8	11	27 2	6 2	51 3	36 5	6 5	48 8	11	27 2
13	28 2	54 3	39 4	24 5	54 6	36 8	11	28 2	54 3	39 4	24 5	54 6	36 8	11	28 2
14	29 3	42 4	27 5	12 6	42 7	24 2	11	29 3	42 4	27 5	12 6	42 7	24 2	11	29 3
15	30 4	30 5	15 6	0 7	30 8	12 10	11	30 4	30 5	15 6	0 7	30 8	12 10	11	30 4

To find when it will be high Water at the Bar of Dublin, as by Example, on the 10th of June, as aforesaid, the Moon is 22 days Old, then look for the Bar of Dublin and in the Left-hand Column, for 22 days Old, and in the Angle of Meeting you'll find 4 H. 6 M. which sheweth that at 6 M. past 4 in the Afternoon, it is full Sea in that Harbour, and the like for any other.

A Table for the Moon's Age for 1718.

M. Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	11	12	10	12	12	13	14	15	16	17	18	19
2	12	13	11	13	13	14	15	16	17	18	19	20
3	13	14	12	14	14	15	16	17	18	19	20	21
4	14	15	3	15	15	16	17	18	19	20	21	22
5	15	16	14	16	16	17	18	19	20	21	22	23
6	16	17	15	17	17	18	19	20	21	22	23	24
7	17	18	16	18	18	19	20	21	22	23	24	25
8	18	19	17	19	19	20	21	22	23	24	25	26
9	19	20	18	20	20	21	22	23	24	25	26	27
10	20	21	19	21	21	22	23	24	25	26	27	28
11	21	22	20	22	22	23	24	25	26	27	28	29
12	22	23	21	23	23	24	25	26	27	28	29	30
13	23	24	22	24	24	25	26	27	28	29	30	31
14	24	25	23	25	25	26	27	28	29	30	31	
15	25	26	24	26	26	27	28	29	30	31		
16	26	27	25	27	27	28	29	30	31			
17	27	28	26	28	28	29	30	31				
18	28	29	27	29	29	30	31					
19	29	30	28	30	30	31						
20	30	31	29	31	31							
21	1	2	1	2	2	3	4	5	6	7	8	9
22	2	3	2	3	3	4	5	6	7	8	9	10
23	3	4	3	4	4	5	6	7	8	9	10	11
24	4	5	4	5	5	6	7	8	9	10	11	12
25	5	6	5	6	6	7	8	9	10	11	12	13
26	6	7	6	7	7	8	9	10	11	12	13	14
27	7	8	7	8	8	9	10	11	12	13	14	15
28	8	9	8	9	9	10	11	12	13	14	15	16
29	9	10	9	10	10	11	12	13	14	15	16	17
30	10	11	10	11	11	12	13	14	15	16	17	18
31	11	12	11	12	12	13	14	15	16	17	18	19

+ the Age of Meeting, you have the Moon's Age, by which you may find the Time of High-water at the Bar of *Dublin*, and all other Places.

Example, I require to know the Moon's Age the 10th of *June* this Year 1718, in the first Column of this Table towards the left Hand, I find 10, as above-said, and looking straight along from thence to the Right Hand, till I come to the seventh Column under *June*; there I find 22 is the true Age of the Moon upon that Day, viz. the 10th of *June* this present Year 1718.

To find the Moon's Age by this Table.
Get the Month in the Head of the Table, and the Day of the Month in the first Column on the Left-hand, and in
+ the

A Table of Equation for 1718.

Jan.		Feb.		Mar.		April.		May.		June.	
M	S	M	S	M	S	M	S	M	S	M	S
1	8	59	14	48	10	81	0	49	4	9	1
3	9	watch	43	14	45	9	32	0	*16	4	0
5	10	watch	26	14	38	8	59	0	*14	4	0
7	11	4	14	28	8	24	0	*44	4	10	0
9	11	4	14	14	7	47	1	12	4	6	0
11	12	14	14	1	7	10	1	38	4	1	1
13	12	44	13	43	5	33	2	33	3	52	1
15	13	100	12	100	24	5	62	2	24	3	1
17	13	3	13	2	5	100	18	2	46	3	2
19	13	56	12	37	1	41	3	100	4	15	2
21	14	13	12	12	4	3	3	20	2	58	3
23	14	27	11	43	3	26	3	35	2	41	3
25	14	37	11	13	2	49	3	47	2	21	3
27	14	44	10	42	2	13	3	56	2	14	4
29	14	48			1	38	4	3	1	40	4
July.		Aug.		Sept.		Octob.		Nov.		Dec.	
M	S	M	S	M	S	M	S	M	S	M	S
1	4	43	4	30	3	48	13	14	15	23	5
3	4	58	4	100	4	29	13	42	15	54	4
5	5	11	3	49	5	10	14	8	14	44	3
7	5	23	3	24	5	51	14	31	14	20	2
9	5	32	2	58	5	33	14	51	13	52	1
11	5	38	2	30	7	14	15	11	13	21	0
13	5	43	2	2	7	54	15	26	12	47	0
15	5	46	1	30	8	100	15	38	12	100	9
17	5	45	0	56	9	13	15	44	11	30	2
19	5	42	0	*21	9	52	15	55	10	47	3
21	5	38	0	*14	10	30	15	59	10	24	7
23	5	31	0	50	11	6	16	0	68	14	5
25	5	33	1	29	11	41	15	57	8	23	5
27	5	16	1	49	11	58	15	55	7	57	6
29	4	56	2	47	12	45	15	43	5	38	7

Set your Clock or Watch so much faster or slower than the Time by the Sun, according to the Table for the Day of the Month, when you set it: And if the Watch or Clock go true, the difference from the Sun, any Day afterwards, will be the same with the Table.

Of the *Equation of Time*, and how to Regulate
Clocks and Watches.

THE *Vibration* of a long and weighty *Pendulum*, altho' it be justly esteem'd the most exact and steady of all Artificial Motions; yet it will not point out by the *Index* of a *Clock*, continually the same Time that shall be given by the *Sun*, on an exact and true *Dials* but in some considerable Number of Days, you may be sensible of the Gain or Loss, betwixt the *Dial* and the *Pendulum Clock*. The true Reason of which Variation proceeds not from any Defect that may be attributed to the Motion of the *Pendulum Clock* (or *Watch*) of whose Exactness we are by many curious Experiments sufficiently sensible: But from an Inequality, arising from these two several Motions, *viz.* one from the Obliquity of the *Ecliptick*, the other from the Earth's Annual *Equation*, occasioned by the *Sun's* Eccentricity from the Center of the Earth's Annual *Orbit*. The *Diurnal* Motion of the Earth being sometimes faster, and sometimes slower than the mean Motion, and consequently the apparent Day is sometimes longer, and sometimes shorter than the Mean. Now the Difference between the Mean and the Apparent, is the absolute *Equation of Time*.

To Regulate *Clocks* or *Watches.*

IF you keep your *Watch* to the Middle or equal Motion of the *Sun*, it must go so many Minutes and Seconds faster or slower than the *Sun-dial*, as the Table shews.

But if you would keep your *Watch* to go by the *Sun-dial*, you may conclude it goes well, if it loseth or gaineth every Day, so many Minutes and Seconds as you will find in the Table. Thus, (for Example) this Year, the 1st of *January*, the *Clock*, or *Watch*, ought to be 8 Minutes 59 Seconds faster than the *Sun-dial*; on *January* the 10th, it ought to be 10 Minutes 26 Seconds faster than the *Sun*; if you find your *Clock* not agreeing to the Table, screw up the Bob to make it go faster, but let it down to go slower, until it looseth or gaineth according to the Table of *Equation*.

N. B. Set your *Clock* or *Watch* by the *Sun-dial* always near Noon, because then the Time of the Day is not much varied by the *Refraction Parallax*, &c.

Rules

RULES for Husbandry each Month.

J *January*, Fallow, or Plow up your Land you intend for Pease, Water Meadows, and Pastures. Drain your Lands lay Dung on Heaps, and carry it on the Land in Frosty Weather. Repair Dove-houses, feed Doves, fill Holes in Meadows and Pasture Ground. Geld Young Cattle as soon as they are fallen. Gather Cions for Grafting, stick them in the Ground for some Time. Make hot Beds; sow Colliflowers; cover Plants and Flowers from the Weather; remove Bees; graft if the Weather be warm.

February, Sow all sorts of Pease, Veches, Beans and Oats. Carry out Dung, spread it before the Plough and on Pasture Land, plant Quick-sets, set Osiers and Willows; dung your Medows that you cannot water, lopp Trees; sow Beans, Pease, Radishes, Parsnips, Onions, Parsley and Spinage; make hot Beds for Melons and Cucumbers; sow Alparagus; Open the Passages for Bees.

March, In this and the next Month, sow all sorts of French Grass, as Clover, St Foyne, &c. Hemp and Flax, if the Weather be temperate; sow white Pease, dung Gardens, transplant Herbs, Flowers, &c. Sow Leeks, Radishes, Parsnips, Sorrel, Turnips, Pease, Spinage. and plant Garden-Herbs.

April, Fell Timber you intend to bark; keep Geese out of your Pasture-Land; sow Clovergrass; sow Garden Seeds in dry Weather, and set Garden Herbs in wet: Sow Kidney-beans, Artichokes, Cucumbers, and open Bee-hives:

May, Sow Barley; sell off your Winter fed Cattle; look to your Sheep for fear of a Rot, if it be wet. Weed Gardens, and watch Bees that are ready to swarm.

June, Wash and shear Sheep; weed Corn; sow Turnips, Rapeseed; still Herbs; plant Rosemary; sow Lettice and Sallad; take Care of your Bees swarming.

July, Mow and make Hay; gather early Hemp and Flax; sow Turnip-seed; inoculate choice Fruits, Roses, &c. Sow Sallet Herbs for the latter Salleting; take Care Bees swarm not too much.

August, Put up your Cattle you like to fatten; make
Cydars

Rules for Husbandry. &c.

Cyder of your Summer-Fruit; gather Seeds of Flowers and Herbs; mow Aftergrafs; geld Lambs; take Bees, freight the Passages.

September, Get good Seeds; sow Wheat in the Dirt, and Rye in the Dust; amend the Fences; fright away the Crows; manure Wheat Land before the Plough; make Cyder and Perry; sow Cabbages, Turnips, Onions, &c. Transplant Artichokes, Asparagus, and Strawberry Roots; take Bees in Time, and destroy Wasps.

October, seed Time continues yet for Wheat; sow A-corns and Nuts for Woods and Hedges; sow Pease, plant Quicksetts; put off your Sheep you cannot Winter; make Malt and Cyder of Winter Fruit; remove and plant Fruit-Trees: Now remove your Bees.

November, Sow on warm Land thrash Wheat to keep; make up your Dung Heaps to rot; water Meadows; set Pease and Beans; trench and dig Gardens; plant Tulips, stop your house your Bees till *March*.

December, Cut Timber; fatten Swine and kill them; sow Beans and Pease, if the Weather be moderate, trench Ground and dress it; cover Beds of Asparagus, Artichokes, and prune Vines, if the Weather be open; feed weak stocks of Bees.

Behold the sable Trees stand shivering now,
amidst the cold sharp Air, Frost, Hail and Snow;
and *Flora* in her Mother's Womb doth hide
herself, because not able to abide
the riged Season, that's enough to fright
into his Cloths, the purest Adamite.


ADVERTISEMENT.

THE Author of this Diary, besides the usual Work of Clocks and Watches, can perform several curious Pieces of Clock-work, shewing by Motion, the Sun's Place in the Ecliptick, with his Rising and Setting, and Lengthning and Shortning of Days to any Latitude. The Rising, Setting and Southing of any of the Remarkable fixt Stars. The Moon's Age, with her various Phases consensaneous to the Heavens, the Equation of natural Days, and the Ebbing and Flowing of the Tides at any Port, by the Rising and Falling of a Liquid: Also any of Chime Clocks, &c.

C

Because

Because Grapes is so noble a Fruit when thorow ripe and some Years so difficult to be obtained in this Country, therefore deserves our greatest Art to encourage it. I would recommend the Planting of Vines on such South-wall of the House, (as if possible) may have the Advantage of a Slope falling to the South, (which Slope, especially paved with Brick, stone or Quarry, collecting and receiving more of the Sun's Rays, will consequently afford greater and stronger Reflections of the same from the several Angles of Incidence; and therefore will by much accelerate the Ripening of the Fruit.

 I think no Soil can be too dry for a Vine.

The last Year I presented my Reader with several Enigma's, Arithmetical, Geometrical, and Philosophical Questions, and some of Mr. Gordon's Paradoxes, to be answered in this Diary; upon which, several Gentlemen and Ladies has favour'd me with Ingenious Letters, in which were the Solution of most of them.

The 4th Paradox answered by Mrs. Constance Roseman, Mr. D. D. — g, Mr. J. W. and Mr. Richard May, Schoolmaster in *Ballinacuta*.

Answer, It is the Center of the Terraqueous Globe.

The 5th Paradox answer'd by Mr. D. D. and Mr. J. W.

Answer, All Places that lie under the first Meridian have both the least and greatest Degree of Longitude, and at Noon it is the greatest and least Numbers of Hours.

The 6th Paradox answer'd by Mr. J. W. and Mr. D. D.

Answer, This may be the brazen Meridian of the Globe as suppose *Dublin* Latt. 53 deg. 20 min. Longitude 20 deg. 2. *Lisbon* 38-deg Latt. Long. 18 deg. 3d. *De Paxaro* Lat. 8 deg. Long. 200 deg. All lie under the same brazen Meridian, yet differ in Longitude: Or, One on this Side, and the 2d. on the other Side 3d. under the Pole, which last is in all Degrees of Longitude.

The New Paradox answered by Mr. J. W. and Mr;
D. D——g.

Answer, Under the Equator, for, (at the first part of the Night) you see one Half of the Stars, and at the Morning you see the other Half; for in twelve Hours Time, that Hemisphere sets entirely, and the other rises.



ANSWERS to the last Year's Arithmetical QUESTIONS.

1st. **T**HE Height of the steeple is 173 F. 1-3, thus as the Length of the Shadow of the Rule 3 Foot, is to the Rules Length Foot; so is the Length of the shadow of the Steeple, 60, to the true Height, 173-1-3.

Answer to the second Arithmetical Question

The Price of the Sheep 20 Pound; the Bullocks 80 Pound, the Meadow 400 Pounds; in all 500.

3d. *Answer'd by Mr. Dod*, thus,

IN 20 Days a Noble Piece
of Work might sure be done,
Let he that 30 did require
was but a lazy Drone:
I'll lay a Crown I can produce
(let them two Work together)
One to perform what they both do,
in just 12 Days, or never.

These three Arithmetical Questions were answered by Mrs. Constance Roswarne, Mr. Richard Marsh, school-master at Ballamulta in Shillalaugh, and Mr. D. D——g.

T H E

Geometrical QUESTIONS last Year
Answer'd.

Answer, For the Height of the Maypole, June
25, 1716, at which Time, by Mr *Flamsteed's*
Tables

	s.	d.	m.	s.
The Sun's Longitude from the Equinox was	3	15	14	06
The Sun's Declination. N	22	36	55	
For the Sun's Height				
As Rad. to the Co-tang, Lat.	53	20	00	
So is Co-sine of the Angle from the Meridian	30	00	00	
to the tang of a 4th Arch.	32	48	40	
Which sub. from the Complement of the Sun's Declination, there remains a 5th Arch. Then say,				
as the Cosine of the 4th Arch is	32	48	40	
to the Co-sine of the Comp of Lat.	36	40	00	
So is the Cosine of the 5th Arch.	34	34	00	
to the Co-sine Comple of the Sun's Altitude	38	12	00	
above the Horizon.				

For the Height of the Maypole:

Say as the Sine of	—	—	38	02
to the Logarith. of 28 Foot				
So is the Sine of the Sun's Altitude			51	47
to the Height of the May-pole			35.	58 Feet

The Operation I shall leave the Reader to perform
at his Leisure.

2. The

2. The Geometrical QUESTION of the Triangle in a Circle.



Take half the Diameter, (viz. 4) off the Scale, with which strike a Circle and cross the Diameters AB. FE, then with the same Extent. turn the Compasses from A, to I, then to D, with the Distance from A to D. Set from A to C, then draw a Line from A to D, from A to C, and from C to D, so shall the Di-

ameter EF, cut off the Equilateral Triangle AHR, whose Perpendicular is 4. Now to know the Length of one Side, multiply 4 in it self, it's 16; to this Product add one third Part of the same Product, as 5, 1-3, the Sum is 21, 1-3, whose Square Root is the Side of the Triangle, i. e. 4. 6188.

Both these were answer'd by the Ingenious Mr. D.D-g the first by my good Friend Mr. J. W-y, near Edin-derry.

The two Philosophical Questions last Year, answer'd by Mrs. Ann W---t. and D. D--g.

The exact Time, in which an Iron Ball,

If gently dropt, Ten thousand Miles † would fall,

Must be allow'd in Minutes Thirty four, († English)

Seconds Nineteen, Thirde, Thirteen, and no more.

But it falls 10000 Irish Miles in 38 Minutes, 38 Seconds.

The Answer of this Question depends upon this, that the Acceleration of the Descent of heavy Bodies, are as the Square of the Time: The Reason is, The Action of Gravity.

Gravity being continual in every Space of Time, The falling Body receives a new Impulle, equal to what it had before, in the same Space of Time received from the first Power; thus, Suppose in the first second of Time, a Body hath acquired a Velocity, which in that Time would carry it 32 Foot; (and there were no new Force, it would continue to descend at that Rate with an equable Motion) but in the next second of Time, the same Power of *Gravity* continually acting thereon, super-adds a new Velocity equal to the former; so that at the End of two Seconds, the Velocity is double to what it was at the End of the first, &c. Hence then the Question is solv'd thus: For, if you turn your Miles into half Feet, (105600000) and divide by 25, half Feet the Quotient is the square of the Seconds, the Body will be falling, viz. (4224000) the Square Root whereof gives the Seconds, which divided by 60, gives Minutes, &c.

Two Philosophical Questions answer'd by PHILOM:

THe Distance of the *Ship* from you was 3 Miles 148 Feet *English*, equal to two Miles 2548 Feet, *Irish* Measure, allowing *Sound* to move, 1142 Feet in one Second of Time.

Perhaps it may not be unwelcome to the Reader to deliver some Observations concerning *Sound* and the Progression thereof.

Sound is produced by the little Vibrations, which the Parts of the sonorous Body occasions in the Air. And the Strength or Weakness, in Proportion to the Quantity of the Air struck, and the strength of the Vibrations.

Mr. *William Derham*, F, R, S, observes there is a considerable Difference in the Accounts given by good Authors about the Velocity of the Motion of *Sound* in a Second of Time, as followeth.

Sr. *Isaac Newtons* first Edition of *Mathematical Principles*, gives 948 Feet in a Second of Time.

His second Edition corrected

Francis Roberts

Mr. *Bailie*

Dr. *Walker*

1142

1300

1200

1338

Mr.

Mr. Flamsteed's Astron. Royal,	_____	_____	} 1142 } } 1185 }
Edm. Halley	_____	_____	
Mr. Derram F, R, S,	_____	_____	
Florentine Academy	_____	_____	
Royal Accademy at Paris			

This Diversity proceeds, probably; from not using good Pendulums, but *Strings* and *Plumets*. 2d. from disregarding the Winds. 3d. Distance betwixt *Sound* and *Observation* too short. And the Difference betwixt the 3 last being so small, might arise from using Pendulums equally good, and Experiments equally large.

The same worthy Author, by manifold Experiments, and repeated Observations, found no Difference whether the *Gun* was fired towards or against him, in the Velocity of the *sound*, nor in any different *Elevation*, nor in different Quantity, or strength of Powder, (tho' it did in the Strength of Noise) neither betwixt Day or Night Clear or Cloudy, Winter or Summer, Rain or Snow: all Kinds of *Sounds* came in the same Time to his Ear, from the same Distance, whether *teuse* or strong, languid or weak.

By very accurate Observations, he found the Motion of *sound* to be equable in all Respects; that is, an *English* Mile in 9 half *Seconds*, 2 Miles in 18 1-2, 3 Miles in 27 3-4, &c. And he is confirm'd in the Belief, that *Sound* moves the nearest Way, and its Velocity equal in Acclivities or Declivities, and that Difference of Climates or Weather makes no Difference in the Velocity, tho' thick, cloudy and snowy Weather, did dull the Noise or Sound.

But I know not why Winds might not so affect *Sound*, that is, by conspiring with it's Motion, advance it to 1200 or retard it by it's being contrary, that it may not move above 1120 in a Second of Time.

The Use of all this may be to measure the Distance of Thunder, Forts, Batteries, or Ships at Sea, &c,

Any Space or Distance proposed to find how long *Sound* will be flying that Distance, say,

As 1142 : is to 1 :: so is the Distance in Feet : to the Time in *Seconds*.

Any Time proposed to find the space or distance that a *Sound* will fly in that Time, say,

As 1 : is to 1142 :: so is the given time in *seconds* : to the Distance in Feet.

From

From what has been said, we may conclude, that *sound* moves 1142 feet in one *second*, 8 Miles in 37 *seconds*, 13 Miles in one minute *scere*, and near 780 miles in an hour.

And if we number 10 *seconds* between the fire of the Cannon seen, and the *sound* heard, it is manifest that the Gun is 11420 Feet distant, or somewhat more than two Miles.

As likewise, if 5 *seconds* pass betwixt one seeing the Flash of Lightning, and hearing the Thunder, we may reckon that the Thunder-Cloud is about 5710 feet, or a little above one mile distant from us.

Here follows the Answer to the two Enigma's last Year:
The first was answer'd by Mr. J. G. as follows

AS Cælia near the fire did sit,
I watcht her Eyes that rules my Fate,
And talk'd of Love and strong Desire,
She careless sat and stir'd the Fire,
When from the Grate a rolling Coal,
Did in her Apron burn a Hole;
She wept to see the Fire consume
The product of an Indian Loom:
Thus Fire drew Tears from those bright Eyes,
By whose keen Fires her Lover dies.

Thus HOLE's an Answer to your prize,
By want it lives, by feeding dies.
The rolling Fire it's Being gives,
It both by *Matter* and *Privation* lives.

An Answer to the 2d Enigma, by Mr. J. G.

When from the Pen the *sable* Liquor flows,
The Writer's Thoughts unto the World it shows,
In this Divines the erring World Restrain;

By immortal pleasure and immortal pain:
By this the Poets raise our strong Desire;
In this we've Newton's Schemes and Milton's Fire.
This does unite the present and the last,
Adds to our own. the Skill of Ages past:
This is the Wing on which *Minerva* flies:
This *Man's* Mortality to Man supplies.

This when the piece is to perfection wrought,
Altho' the Author's dead, embalms his Thought:
This does immortalize his Soul, that is his Wit:
We see old *Homer's* Soul's not dying yet.

Some *Enigma's* to be Answered next Year.

3 *Enigma.*

BEfore I was Exposed to the Sight of Day,
Within the Bowels of a Male I Lay;
Thrice did the great *Ethereal* Lamp return,
From the Cold *Gout*, and thrice the *Crab-Fish* Burns;
While I, by small Encrease, Distend the Womb,
And Burthen to my Bearer did become;
Yet still my Parent could not bring me forth,
Till that his Death, and opening gave me Birth.
From hence a change in State and form I knew,
And in my shape was altogether new;
Was quickly Married to an *Indian* Bred,
Nor can there be a truer Couple Wed;
In near Embrace, I to his Body Clung,
Where he weſt, I ſtill upon him hung.
At length tho' Guilty, of no *Lethal* Crime,
We both were Hang'd, and both at the ſame time;
Nor was this thought ſufficient Punishment,
Till that we to a Fun'ral Pile was ſent.
Where we in Union cloſe together came,
And without Pity, Perilh'd in the Flame.

4 *Enigma.*

THe World my Age doth ſcarce Exceed,
I'm Old therefore you'll ſay indeed,
A Wonder ſtrange it ſeems to be,
All Mortals ſhould have love for me:
For I one Brother only have,
Whole hated by them as the Grave.
I count that Man worthy of Fame,
That's able now to tell my Name.

Sleep

5 *Enigma.*

THo' always I Travel, I'm never from Home;
O're Land, and o're Water, I conſtantly roam;
Whilst I ſlowly advance, I'm back again driven,
Like a Boat that Rows ſlowly, againſt a violent Stream;
Yet by that time a Night and Day is paſt o're
I'm got to the very ſame place as before,
By Painters I'm pictur'd, among the Horn'd Race,
The Figure of Five is ſeen in my Face;
I've a mark in my Neck, I plainly can prove,
Has been known for theſe Four Thouſand Years or above;

C

Both

Some *Enigmas*'s to be Answered next Year.

Both the Town and the Country me very well know,
By my Horns, Head and Neck, for my Tail I ne'er show;
Some times you may see me Twelve Hours or more,
Some times I do play at Bow-peep half a Score,
Some times you can't see me a Fortnight together,
Yet I'm no farther nor nearer you neither,
But the thing which I fear that will soon me discover;
7 Is that one of my Eyes is far bigger than t'other.

6 *Enigma*. By Mr. D. D—g.

ON matter my beginning doth depend,
My Conservation also and my End.
I am to be perceiv'd but by one sence
Men for their Ease oft seek my Residence,
Sol's motion and height to Men I shew,
And many other things from me they know,
My shape and Figure I do often change,
And from my Place Perpetually do range,
And yet am nothing, which may seem more strange.

7 *Enigma*. By I. T.

A Thing most Strange all Men will say, no Mortal ever knew,
A thing of so great use as I, yet less than nothing too;
Yet at my Name some break their Hearts, & others do run Mad
I'm worse to some than Fiery Darts, while others I make glad,
In seeking what I am no doubt, you'll often hear me Nam'd,
And if you chance to find me out, you'r worthy to be Fam'd,
I frequent am in most Discourse, in Truth, and Lying too,
In Work and Play, both Night and Day, but Chiefest when
Pray seek and find me if you can, (you woo,
What is my Name and what I am.

8 *Enigma*, For a Prize.

ALready I have felt the Pangs of Death,
Tho' not to Life I am restor'd to Breath;
I raise fierce Raptures, and provoke Desire,
Yet Cold by Death I feel no Am'rous Fire.
Alive or Dead my Nature's to Betray,
And numbers, I to Goal or Death Convey,
Alive no bounds, my eager searches knew,
Dead, with my Syren Voice, by Singing I undo:
Alive my Love induced me to Betray,
Yet Dead, they kindly Die for Love of me.

Of the 5th and 8th of these *Enigmas*'s, the Person that gives
a True Solution shall have for each a Present of 6 Diaries.

Paradox 8.

The *Paradoxes* to be Answered next Year.

Paradox 8th, There are Three Remarkable Places on the Continent of *Europe*, that lie under Three different Meridians, and yet all agree both in Longitude and Latitude.

Paradox 9th, There is a certain *Island*, in the *Aegean Sea*, upon which if two Children were brought forth at the same Instant of time, and Living together for several Years, should both Expire on the same Day, yea, at the same Hour, and Minute of the same Day: Yet the Life of one should surpass the other by divers Months.

Paradox 10th, There are Two observable Places belonging to *Asia*, that lye under the same *Meridian*, and of a small distance from one another: And yet the Respective Inhabitants of them in Reckoning their times, do differ an Entire natural Day every Week.

Paradox, 11th, There is a particular Place of the *Earth*, where the Winds (though frequently Veering round the Compass) do always Blow from the North Point.

1. A *Mechanick* Question.

Gentlemen, my House is Built without a Floor, I have Boards enough to cover the Joyst's but the Timber I have left is 4 Pieces 16 Foot long, now my Floor is to be 24 Foot Square, I Demand the Method how I may lay those 4 Joyst's that the Boards may cover them fit for use.

2. *Mechanick* Question.

I have 3 Holes in one Board, the First is a Round Hole just 8 Inches Diameter, the Second is a Square the Sides 8 Inches, the Third is a Triangular Hole the Side equally 8 Inches. I desire to know how I may cut one piece of Wood that may stop all the Holes.

Some New *Arithmetical* and *Geometrical* Questions to be Answered next Year.

Question 1st. By Mr. D. D—g.

I Lent a Neighbour a Rick of Hay, every way 30 Feet, i. e. in Length, Breadth and Depth: Afterwards he paid me two Ricks, each 15 Foot every way. I desire to know whether he has paid me the full Quantity I Lent him.

Of the Eclipses this Year:

Question 2d.

I Demand the side of *Regular Hexagon*, equal in Area to the Surface of a *Globe*, whole *Diameter* is 8 Foot.

Question 3d.

There are 182988 Crowns to be Divided amongst an Army, wherein are 3 Horse-men for every 7 Foot-men, each Horse-man is to have 18 Crowns, each Foot-man 9 Crowns. I Demand the Numbers of Horse and Foot.

Question 4th.

There is a *Triangular* piece of Ground, one side of which is 8 another $6\frac{1}{2}$ the 3d 11, which is to be divided into 3 equal parts by Lines (or Ditches) Parrallel to the shortest side. I Demand the Segments of the side 11. which are cut off by the Parrallel Ditches.

Question 5th. By Mr. Maysh.

Two Ships set out together from one Port, one of which Sailed 100 Leagues Due North, the other 93 Due East. I Demand the Distance between them.

Question 6th. A Prize of 6 Diaries

I Demand the side of a *Cube*, which is twice as big as a Given, Inclind *Cone* whose *Diameter* of the *Base* is 8, and longest Slope Height 20. the Angle of Inclination 58 made by the *Cones* Axis and the *Base*.

Whoever of either Sex shall send the first true Answer to a bove Question shall have 6 Diaries as a Present.

Of the Eclipses this Year, 1718:

W Ithin the Compass of this Year, there will be Six Eclipses, Four of the Sun, and Two of the Moon.

The First is an Eclipse of the Sun, Feb. 19th Day, 47 Minutes past 6 in the Morning: But not Visible to any of these Kingdoms.

The Second will be an Eclipse of the Moon, March the 5th Day, half an Hour past 3 in the Afternoon, not Visible to us, because the Moon will be under the Earth, during the whole Eclipse.

The Third will be an Eclipse of the Sun, the 20th of March, 32 Minutes past Eleven at Night, therefore Invisible.

The

Philosophical Questions:

The Fourth is an *Eclipse* of the *Sun*, *August* the 15th, at one in the Morning, and not visible to any Part of *Europe*.
The Fifth is a Great and Total *Eclipse* of the *Moon*, it will be Part visible, the *Moon* will Rise *Eclipsed*.

The beginning is *August* the 29th Day, at 32 Minutes 47 Seconds, past 5 in the Afternoon.

The middle at 26 Minutes past 7.

The end at 19 Minutes, 15 Seconds, past 9 at Night.

The whole Duration, 3 Hours, 46 Minutes, 28 Seconds.

Digits *Eclipsed*, 19 Dig. 52 Min. 42 Sec.

The 6th and last *Eclipse* of the *Sun*, the 13th Day of *September*, at 10 Minutes, past 8 in the Morning, but not visible to these Parts of the Earth.

A NY Gentleman, Lady, &c. that will send me, 1. The Prettiest *Arithmetical* Question, 2. The best *Geometrical* and *Philosophical* Question, 3. The most Surprising *Paradox*, or *Enigma*; with their Answers to them, 4. Answers to the Questions and *Enigma's*, &c. to be answered next Year, shall be Inserted in my next, with their Names, if they please. They Paying the Postage of Letters, else they will not come to my Hands.

A Philosophical Question.

Since the Idea of Sound is Convey'd to us by a *Vibration* communicated from the Air, to the *Membrana Tympani*. I Desire to know how a Man, when 20 Instruments are play'd upon at once, notwithstanding the Multiplicity of *Vibrations*, shall be able to distinguish plainly one false Note from all the rest?

Something Concerning Mr. Coat's.

HE was pleased to make some Reflections on me in his *Almanack*, for this Year 1717. which indeed I had let pass without mention, but finding there was Notice taken of it, some of whom advised me to give the Calculation from my own Hand, with a true Account of the whole Matter, which is as followeth.

Mr. Coat's in his *Almanack* for 1715. gave us an Account of an *Eclipse* of the *Sun*, which should happen in *October* the 16th, at which time he says the Digits *Eclipsed*, would be 6 and 7 Minutes over, that's above half the *Sun's* body darkned.

Something Concerning Mr. Coat's, &c.

Now Mr. *Whalley* Printed a Calculation of mine about the 12th of *October*, that there should be no *Eclipse* seen in these Kingdoms, but by some Mistake, 4 or 5 Figures were misplaced by the *Printer*, which was Corrected the *Wednesday* following in another *News-Letter*, as follows.

The true time of the visible *Conjunction*, was *October* the 16, at near 7 in the Morning. At which time,

	M.	S.
The <i>Semidiameters</i> of the $\left\{ \begin{array}{l} \text{Sun and} \\ \text{Moon.} \end{array} \right.$	16	13
	14	46
Their Sum	30	59
The visible <i>Latitude</i> of the <i>Moon</i> 1 Deg.	15	46
Exceeding the Sum of the <i>Semidiameters</i>	44	47

Therefore there could be no *Eclipse* visible in these Parts of the Earth, for the *Moon's* Body came not near enough by above 44 Min. of the *Sun's* Disk. Also at the time Prefixt, I, with several others, observed the *Sun* Carefully, and there was not the least sign of any *Eclipse*, but the *Sun's* Body remained Clear, without the least Spot in it.

As for his Complaining I made the *Sun's* Horizontal *Parallax* but 10 Seconds. Observation and the best Authors prove, that it's scarce 10 Seconds, but Mr. *Coat's* has made it 2 Minutes 21 Seconds, or 141 Seconds; that is 131 more than it is, according to Sir *Isaac Newton* and Mr. *Flamsteed*.

I shall only give Mr. *Coat's* this friendly Advice, That he for the future, take more Care of his own Calculation, and not to tell the World there are *Eclipses*, when Really none, and when there are 6, tell us there are but 4. I hope he'll take care not to serve us this Year, as he did 1714. wherein he omitted the 2 following *Solar Eclipses*, one *May* the 2d near Sun-Set, the other *November* 26th in the Morning.

ADVERTISEMENT.

IF any Gentleman desires to Learn the Calculation of the *Planets* Places, and *Eclipses* of the *Sun* or *Moon*, for any time past, present, or to come, &c. the Author of this *Diary* is ready to Instruct them after a New and Easy Method (and from the Best Theories) upon Reasonable Terms.

Astrological

Astrological Judgments, or Conjectures, on the Four Quarters of the Year.

And first of the WINTER-QUARTER.

THe *Winter-Quarter* begins at *Dublin*, by the Corrected *Tables* (I compos'd from Sir *Isaac Newton's Theory*) *December 17 17.* the 10th Day, 8 Hours, 13 Minutes, 24 Seconds Afternoon. At which time the ☽ and ♀ are in ♍ from *Angles*, and ♂ in the 7th. The variable Tempers of Men, especially those of the greater Sort, are now put in a Ferment, the Event seems uncertain, but the great Endeavours of the most discerning are not wanting, to use means to settle all things in good Order. The good States-Man is now Concerned, that he may secure to himself, Peace at Home, and Safety Abroad. Differences, and Contentions, are the very Instruments of Ruin, both to *Church* and *State*, but on the Contrary, *Unity, Friendship, Brotherly-Love*, are the Fore-runners of Peace and Plenty. It's now to be hoped, that we may expect the Benefit of the settled Condition of these Kingdoms.

The SPRING-QUARTER.

Begins when the *Sun* enters *Aries*, *March 9th* Day, 10 Hours, 35 Minutes Afternoon, the *Lunations* Preceding and Succeeding this *Ingress*, gives us Reason to hope, that the *Spring* may be much more quiet, and the People inclined to be easy, under the Gentle Government of a good Prince. Trading will Flourish, the Merchant may expect happy Returns of Wealth, and the most worthy and Deserving may expect Preferment, for Justice seems to be equally Distributed, and all things go well at Home, whatever News we may have from Abroad. The *Infidels* are busie making wonderful Preparations against the next Campaign, yet we are in no fear of the Christians being Affrighted at their strange Appearances. They have hitherto shewn their Valour in the two last Battles, that *Horse-Tails* and *Turkish-Turbans*, are of no use against them.

The Summer and Harvest-Quarter.

The SUMMER-QUARTER.

Begins *June* the 10th Day, 9 Hours, 58 Minutes, 24 Seconds Afternoon, in the *Meridian* of *Dublin*. At which time the beginning of \uparrow Culminates, \uparrow Ascends the *Horizon*, and there is an δ \uparrow and \downarrow , a *Square* \uparrow and \downarrow &c. The strange Configurations of this *Ingress*, together with the *Lunations* before and after, will doubtless give Violence to the Actions of this Quarter. Great Consultations, Negotiations, about Martial Matters, Battles, both by Sea and Land, most of which may be expected in *Transilvania*, *Spain*, *Italy*, and some Part of *Germany*, yet may we hope, that our Home-Affairs will be in good Order, to the disappointment of the troublers of our Peace, who will by lying Pamphlets, and other ways, Endeavour to Insense the common-sort of People to their own Ruin, while others more wise, neither believe, nor regard Actions or Stories, so contrary to Reason, and Human Interest.

The HARVEST-QUARTER.

Takes it's Beginning from the *Sun's* Entrance into *Libra*, viz. *September* 12th Day, 10 Hours, 35 Minutes, 24 Seconds in the Morning. This Quarter enters with a δ of the \uparrow , and \downarrow in the *Mid-Heaven*, stinging *Scorpio* on the Cusp of the Ascendant. Private Mischiefs, Murders, Quarrels, Debates amongst the meaner Sort; Also the Soldiers, some of them may perhaps meet with Recompence, for some of their Indirect Doings. There will also on the other Hand, be many Differences composed, and means used to that Purpose, which will not end without it's desired Effects. Some Alterations in State-Matters, with some Preferments, in both *Church* and *State*, it's to be wished to those most Deserving. The Transactions Abroad, may be more strange than Common. the *Turk* may want a Peace, but 'tis to be thought they'll not Accomplish their ends, till a further tryal be made, and that will yet make the Case worse, tho' they are a People stronger than could be wish'd.

Decem. 15th Day 1717. *Venus* will appear very Gloriously, 45 Degrees from the *Sun*, being in 20 Degrees of *Aquary*, with 1 Degree $\frac{1}{2}$ South-Latitude, in the middle between her *Aphelion* and *Perihelion*, Sets at $\frac{1}{2}$ an Hour past 7 at Night.

Also, *Venus* is our Evening-Star from the beginning of this Year 1718. From thence our Morning-Star to the End.

The

The Principal Roads of IRELAND.

From Dublin to Timolin 24 miles, to Racool 6, Naas 6, Kilkullen-bridge 5, to Timolin 7. Or a shorter may to Blessington 11, Ballimore 3, Dunlavin 4, Timolin 3.

From Dublin to Gowran and Kilkenny 47 miles. To Timolin as before 24, to Castledermot 3, Catherlough 5, to Loughlin-bridge 5, Gowran 5, Kilkenny 5; Or otherwise from Loughlin to Kilkenny over the Mountains 8 Miles.

From Dublin to Waterford 52 miles. To Gowran as before 42, to Thomas-town 5, to Waterford 5.

From Dublin to Youghil 80 miles. To Gowran as before 42. Knocktougher 8, Carrigneshure 8, Dungarvin 12, Youghil 10.

From Dublin to Clonmel, Cork & Kinsale. To Gowran as before 42 miles. Bennets-bridge 4, Conlagh 4, Kilkash 6. Clonmel, 6, in all to Clonmel 61: thence to Capperquin 9, Lismore 3. Castle-lyons 9, Cork 12, in all to Cork 94 miles. Thence to Kinsale 10, in all to Kinsale 104 miles.

From Cork to Bandon & so to Baltimore 38 miles. To Bandon 10, Timoleague 2, Roscarberry 8, Abbyshrewsberry 8, Baltimore 4.

From Cork to Traley 53 miles. To Aglus 9, Carregedroit 3. Miorum 4, Ballivorny 8, Killaw 9, Castletlough 10, Traley 12.

From Cork to Limerick 36 miles. To Mallow 12, Kilmolock 12, Bruff 6, Limerick 6.

From Dublin to Limerick. Cashel & thence to Traley & Dinglecouch 142 miles. To Gowran as before 42, Bennets-bridge 6, Collen 6. Killanaley, 7, Cashel 5, Tipperary 6, Cullen 4, Carriginlish 7. Limerick 5, in all to Limerick that Road 85 miles: thence to Adare 7, Rakale 5, Ardagh 3, Monnasterfoil 9, Traley 12, Dingle 21 or otherwise from Tipperary to Emly 5, Kilmalock 7. Ballingarry 5, Newcastle 6, Brunia 8, Island of Kerry 8, Castlemain 8. Dingle 6, in all to Dingle this way 122, miles.

From Dublin to Limerick a shorter way. To Manouth 10, Clancurry 5, Castlecarrberry 5, Philipstown 10, Balliboy 16. Birr 6, Ballingarry 8, Nenagh 8. Limerick 16, in all this way 83 miles. Or otherwise more short from Dublin to Longstone 10, Kilkullen-bridge 5, Athy 10, Augheboe 14, Roscrea 8, Tuam 8, Silver-mines 6, Limerick 12; and in all 73 miles.

From.

The Principal Roads of IRELAND.

From Limerick to Galway 39 miles. To Quin 12, Barancoyl 6, Gerichigory 6, Kilcolgan 9, Galway 6.

From Dublin to Mullingar Athlone & Galway, 85 miles. To Manouth 10, Clancurry 5, Clonard-bridge 3, Kinnegad 5, Mullingar 7, in all 30 thence to Ballimore 10, Athlone 10, in all to Athlone this way 50 miles; thence to Ballinasloe 10, Kilconnel 6, Athenree 12, Galway 8, Or otherwise a nearer way to Athlone from Dublin to Kinnegad as before, and thence to Terrils-Pass 8, Doughil 5, Athlone 9, in all this way to Athlone 45, thence to Galway 36, in all this way to Galway 81 miles.

From Athlone to Londonderry 89 miles. To Scrow 12, Granard 12, Cavan 12, Ballibresly 9, Belfour-bridge 3, Portadown 11, Kerrallee 8, Strabane 13, Londonderry 10.

From Dublin to Cavan 47 miles. To Dunshaglin 12, Navan 8, Kells 7, Virginia 8, Cavan 12.

From Cavan to Eniskillen, and so to Ballishannon 44 miles. To Ballibresly 9, Macguiers-bridge 7, Eniskillen 8, Lefnarge 8. Ballishannon 12.

From Cavan to Carrickfergus 72 miles. To Clownish 12, Monaghan 12, Ardmagh 13, Portadown 9, Lurgan 4, Lisnegarvy 7, Belfast 8, Carrickfergus 8.

From Dublin to Drogheda, Ardmagh & Londonderry 101 miles. To Sword 6, Balrudderry 6, Drogheda 8, Quinlery 6; Dundalk 10, Ardmagh 22, Black-water 4, Dungannon 5, Omey 10, Newtown 6, Lifford 6, Londonderry 10, Or otherwise.

From Dublin to Colerain & so to Londonderry 112 miles. To Dundalk as before 36 miles. Newry 8, Insloughlin 16, Antrim 12, Ballimoony 10, Colerain 6, Newtown 12, Londonderry 12, Or otherwise from Newry to Dromore 6, Lisnegarvy 8, Antrim 12, & to Colerain & Londonderry 41 as before.

From Dublin to Carrickfergus. To Drogheda, Newry, Dromore and Lisnegarvy as before 69 miles. To Belfast 8. Carrickfergus 8, in all 85 miles.

From Dublin to Wicklow and Arklow and so to Wexford 56 miles. To Bray 10 Newcastle 6, Wicklow 6 Arklow 12, Glaslarig 12, Wexford 12.

From Athlone to Ballishannon 72 miles. To Roscommon 8, Tulsk 8, Abbyboyle 12, Ballimore 10, Sligo 15, Binsdows 15, Ballishannon 4.

The Principal Fairs of IRELAND.

From Galway to Ballishannon and so to Donegal and Londonderry 115 miles. To Clare 4, Ballimore 17, Tulsk 8. Ballishannon as before 56 miles. Donegal 10, Barnimore 10, Rapho 5, Londonderry 8.

Another way from Dublin to Londonderry. To Cavan as before 47, Ballibresly 9, Clougher 14, Omey 12, Londonderry 22.

The Principal Fairs of IRELAND.

January 12, At Newtown in the County of Down. 13, at Ferns in the County of Wexford.

February 1. At callaheda c. Tipperary, Brigon c. Waterford. Kildare c. Kildare, birr alias parsonstown Kings c. 2. lanfborough c. longford, balliconnel c. Cavan.

March 1. At carrigrownhil c. cork neygh alias rocksborough c. t; rone, Cootehil c. Cavan, 2 kilrush c. clare. 5, 6. sherwood c. carloe, 14 granard c. longford. 17, belgree c. meath, mannor of clean c. Kildare, mountcharles, luterils town. knockpatrick, adare c. limerick, waterford glassarige. wexford. cashel c. tipperary armagh, sheronpatrick c. westmeath, louth, kilkenny queens c. narrowmore c. kildare killistown c. carloe, balrudderry c. Dublin, kiilashandra alias castle hamilton c. cavan, at Kilkenny 23. clownish c. Fermanagh ballifedre c. roscommon, 24, 25. Town of Tipperary, ballimoony c. kildare, with free grazing 24 hours before and after. 26. 27. 28. mullingar c. westmeath.

April. 10. At bandon c. cork. 11. Clantarf c. Dublin, 13. portarlinton queens c. 19, 20. hartlegrange c. sligo, 20, castlemartain. 20, moug c. donegal 23. manner hamilton c. leitrim 23, 24, athboy c. meath, balliboy Kings c. 25 drumersnana c. leitrim, montrath queens c. elong c. tipperary, birr alias parsonstown, holy-cross c. tipperary, Rathdowny queens c. 29. castlelesly alias Glaslough balladra, Stradballia queens c. Manour hamilton c. leitrim. 28, 29, Lisballa c. fermanagh, Uincronock c. donegal.

May, 1. Clonmin c. wexford, Betford c. galway, asketon c. limerick marysborough queens c. assence c. waterford, St. Johnstown c. longford, aragh c. limerick athboy c. roscommon, kildare, kilkarton c. galway, Aharry, Strabane Tyrone castlecoul alias ballabrainly c. fermanagh, clanoure. cork

cul-

The Principal Bairs of IRELAND.

tallagh c. clare, newtown c. letrim, cavan, tofctogglim c. limerick, loughlin c. carloe. 2, 3, 4, newtown c. down 5, balliconnel c. cavan, 10, 11, castlepollard c. westmeath, 12, castle-reagh c. roscommon, 15, 16, coulshel queens c. cleen c. letrim, 18, carrickmacrofs c. monaghan, black-bank c. ardmagh. 19, 20, crommoghenoge clarmagh. 23, abbyboyle c. roscommon, abbyorflagh c. lonford. 24, gory c. wexford. strabagh alias beshannon c. cavan, 29. athy c. kildare, mount-charles c. donegal Cootehill c. cavan 31, and 1, of *June* Balla c. Mayo.

June 1. at belturbet alias ballibutler c. cavan newtown, kilevalla c. westmeath, kileigh kings c. galbally c. limerick kilbeggan c. westmeath, libellan c. fermanagh skrenc. meath, drum c. monaghan 10, kiladon alias kinard c. tyrone, 12, castle reagh c. roscommon knock alias monstown c. longford, drumersnana c. letrim, aghrim in the barony of ballimoon c. wicklow, moat alias moat grange c. westmeath lurganboy c. letrim, shanagolin, philips-town kings c. balliragget c. kilkenny, kilkullen c. kildare, drogheda c. louth. clare c. mayo, ardenglass c. sligo, dunshaglin c. meath, kilshandra, castle-hamilton c. cavan, glaslough, malines c. carloe. timoleague c. cork 19, 20, kilevally alias ballihawary c. cork, 20, 21, Mannor-hamilton c. letrim, 22 edenduscarrick c. antrim, 24, charlevile c. cork cloanultagh c. tipperary, waterford, newcastle c. wicklow, disart queens c. ballimore c. ardmagh, marys-borough, rosgarland c. wexford, nesbrough near drumcondra-bridge c. dublin, 24, Kilkenny, 24, 25, Tipperary rathbridge c. kildare, rathdrum c. wicklow, killen c. meath, 26, 27, mannor cunningham c. donegal, 29, eyrescourt c. galway, carriglamary c. cork, dirrin and glabby c. fermanagh, hospital ballingary c. limerick, stradbaly queen c. tully c. clare dunboyn c. dublin, wexford, donegal, carrickmacrofs c. monaghan graystown c. tipperary killea, tillimon kings c. glasdrummond c. ardmagh, purefoys place alias clondulge kings c. ballirone rathdowny queens c. 30. monaghan.

July 1. At longwood c. meath 3, meygh alias rocksborough c. tyrone, 5, randelstown, 10, 11, 12, drumahare c. letrim, 11. black-bank c. ardmagh, lisnegarvy c. antrim, earmant c. fermanagh, lurgan c. louth, abbyboyle c. roscommon,

The Principal Pairs of IRELAND

mon, crumlin c. dublin, 18, balliconnel c. cavan 22, ballimurry king c. cruagh queens c. island of kerry 25, mough c. donegal. 25, 26, crommogheno c. ardmagh, athboy c. meath, killiback c. wexford, etland c. kerry, castlecoil c. fermanagh, magher, rogonoghy c. antrim, ballinrobe c. mayo, dundrum c. cork. lisnebryfney kings c. lanesborough c. longford clambrazel c. ardmagh thombegard c. wexford, galbally c. limerick, 29, asketon c. limerick, margarets c. dublin margarets, c. sligo, temple-house, munstereven castledermot c. kildare 31, and *August* 1, at conway alias kilorgin c. kerry.

August 1. At clanturk alias nesborough near drumcondra-bridge c. dublin eniskeren c. cork eniskillen c. fermanagh, belfast c. antrim. ballinakil queens c. knockany c. limerick, killee c. kildare, carrickdrumrousk c. letrim kilkenny c. westmeath, causauno, fallow kilmaclomas c. waterford. ballishannon c. donegal inchiloshi c. fermanagh, muchark c. tipperary, knocklong c. limerick kildroughil c. kildare, 10, gowran c. kilkenny, callidon c. tyrone, palmerstown c. dublin. ardee c. louth maymore c. westmeath, oldcastle c. meath, balliboy kings c. ratherclonish c. limerick, 12 castle-creagh c. roscommon, 12, 13, mouteneane c. kerry 16, maynham c. kildare, drumersnana c. letrim hartlesgrange c. sligo, rakeale c. limerick, golden-bridge c. tipperary, eniscorphy c. wexford flain-tower c. westmeath bennets-bridge c. kilkenny, c. carloe donebrook and ballimore c. dublin, athangan c. kildare rosconnel c. kilkenny, kernetly c. dungannon roscarberry c. cork birr kings c. kells enis c. clare mullingar c. westmeath, 20, 21, ballacreagh, upper-ferns queens c. 22, luterillstown c. dublin, clonmel c. tipperary 23, castle-caufield c. tyrone 24, 25, rosmogheno c. armagh, caridigory c. clare athlone c. westmeath balliragget c. kilkenny, slanagolin & ardagh c. limerick castlemain c. kerry ballimore c. antrim maryborough queens c. belturbet c. cavan kingsale c. cork, ballicops and hangertown c. wicklow 28, eyrescourt c. galway ardee c. mayo, uncronocco c. donegal, the town of tipperary 29, 30, cashel c. tipperary 31, at antrim.

September 1, At Coothil c. cavan maggery kings c. rathdowny queens c. 1, 2, bannogher 5, 6, sherwood c. carloe,

The Principal Fairs of IRELAND.

8, Crumlin kilagan c. dublin kilshalla c. fermanagh rale c. limerick, milliresbricken c. tipperary, eniscorphy c. wexford, kildare-tower c. westmeath, ballinlough, mask c. mayo, cinnard c. ardmagh, roscarberry c. cork, kernethy c. tyrone, clownish c. monaghan, 10, 11, callevory, mount-charles c. donegal 13, Bala c. mayo, 14, mough c. donegal 14, 15, holycross c. tipperary, cavan laughlin c. carloe, ar-dangla's c. sligo 17, killavey c. cork negrange c. westmeath 21, nesbrough near drumcondra-bridge c. dublin, 22, 23, island of kerry. conihed queens c. abbyboyle c. roscommon, Cork tallow c. clare, portumnegh c. galway, granard c. longford tinnikilly queens c. castlecarberry c. kildare, meghervelike c. fermanagh errel queens. c. 25, mannor-hamilton c. leitrim 26, malin screen c. meath. 28, 29. sag-gard c. down. 29, charlevilec. cork castlemar in rosgarland c. wexford, cargenlary c. cork athy c. kildare, clerthen c. tipperary asketon c. limerick, gormanstown c. louth, sligo belanasto c. roscommon, downaman c. mayo, tallow c. waterford, greencastle c. donegal clonakiltagh c. cork ballibais c. cavan trim rignalin c. meath, castlepollard c. westmeath, rathdown c. wicklow belgree c. meath.

October 1. Portarlinton kilrush c. clare, newtown c. leirrim, athboy c. meath 4, hedford c. galway, mannor of clare c. kildare, coolkerry queens c. ballimore c. westmeath adare c. kildare, burtnate c. cork kileig-th kings c. 6, 7, clantarf c. dublin 9. kells c. meath augheboe c. clare, lurganboy c. leitrim, nautenane c. kerry, 11, kilkenney 12, mohil c. leitrim, newtown, killavally c. longford 14, balliconnel c. cavan, 15, castle-sly. 18. old-castle c. meath, purefovs place kings c. hartelgrange c. sligo mount-kennedy c. wicklow, glasdrummons c. ardmagh, drogheda mallow c. cork pourscourt c. cavan, cullen c. tipperary. tagueineth queens c. kilbeggan kings c. moyglare c. meath cregan c. roscommon, balruddery c. dublin maynham c. kildare, kildare, killoon c. meath, upper-fern c. carloe. 21, black-bank c. armagh, James town drummayher c. leitrim, ballimoony c. kildare. 22, cashel c. tipperary, 24, edenderry kings c. glanmartain c. antrim, mannor cunningham c. donegal. 25, tuam c. tipperary cattlereagh c. roscommon, kildroughil c. kildare 27, castleblaney c. monahan.

The Principal Fairs of IRELAND.

han. 28, 29. Balla c. mayo, faggard c. down, temple-house c. sligo, dronug c. donegal, tubberkegh c. carloe, bandon c. cork knockording c. tipperary, haxintubber c. mayo strabagh and killeshandra c. cavan newcastle, tipperary, montragh queens c.

November 1. kilarny c. kerry, cavan, hacketstown c. carloe, carriglercus, mullengat c. clare, clonultagh c. tipperary, lusgan c. louth, strabane c. tyrone, dunbarroc. antrim portadown, black-bank c. ardmagh, carrickmecross c. monaghan bross c. limerick, fedder c. tipperary castlebur c. mayo, St. Johnstown c. longford, kilbarcane c. galway St. martains c. kilkenny, naas c. kildare, bangor c. down aghrim c. wicklow, mount-charles c. donegal 10. monaghan. 11, meigh c. tyrone ballimore queens c. 25, newcastle c. wicklow, ballibow kings c. kercoulis c. limerick, coothil c. cavan castleblany c. cavan 26, ardmagh. dunshaglin c. meath trim. 30, killidon c. tyrone, tipperary, kilclego c. down birr strabagathey hartleigrange c. sligo castlecaufield c. tyrone, & the day following at strabagethy c. kildare, skibberene c. cork mough c. donegal.

December 3, 4 brainsland c. down, clownish c. wexford 8, gowran c. kilkenny 10, carrickmecross c. managhan, 13. drummersnana c. leitrim, rathdowny queens c. 15, 16. crommogheno c. ardmagh 18, eyrscourt c. galway 22, Lisbela c. fermanagh.

2 NO 61 Fairs upon Moveable Feasts

January the 1 Thursday at Newmarket in the Liberties of Donore at St Thomas-Court in the County of Dublin. The Monday after Twelfthday at Athlone in the c. westmeath, and the Thursday after at Eyreicourt in the c. Galway, and the Friday before Shrove-Sunday at Kells in the c. Meath. Shrove-Tuesday at Edenderry in the Kings c. and at Castlecaufield c. Tyrone on Corpus-Christi-day, at Belgree c. Meath; and at Crumlin near Dublin at Cullin in the c. of Tipperary.

Ash-Wednesday, at Belturbet alias Ballibutler, in the c. Galway, Easter-Monday and Tuesday at Crumlin on Easter-Tuesday at Balibais c. cavan Gormonstown Mount-
ben-

The Principal Fairs of IRELAND:

Kennedy, Wicklow Jamestown, c. Leitrim and at Monaghan, the first Thursday after All-Saints at Mannor-Cuningham c. Leitrim, Navan, Wednesday Knock alias Mestown c. longford, Screen c. meath. 2. Thursday at Lanesborough c. longford. Ballingarry c. Tipperary. Monday after Easter-Monday at Eyrescourt c. Galway, the Monday after Low-Sunday at Ennis c. Clare, Tuesday after May-day at Portclannion c. Antrim Ascension-day at Kells c. Meath, Athlone Naas Knockland, Arrust Kilmallock, c. Limerick, Clare Clangree c. Wicklow, Killolachlam c. Dublin, Newtown Roigarland, & Brainsford, c. Down, Whit-Monday and Tuesday at Castlecausfield, c. Tyrone, Portscourt, Harock c. cavan, Dundrum, Ballingarry c. Tipperary, Lismore c. Waterford, Disart Errel, Queens c. Fieldstown c. Dublin, Castlehaven c. Cork, Illore, Kings c. Collemore c. Westmeath, Portadown, Magmervelick c. Fermanagh, Nautenene alias Natigane c. Kerry, Thursday after at Edenderry.

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